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Edinburgh University

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3. *Agriculture*,—with the Lords of Session, Barons of Exchequer, and Professors of the University.
4. *Conveyancing*,—with the Society of Writers to the Signet, and the Deputy-Keeper of the Signet.
5. *Botany*,—The Professor of Botany holds a commission from the Crown, as Regius Professor of Botany, and Keeper of the Botanical Garden; and another from the Town Council, as Professor of Botany and Medicine.

The Crown appoints to the Professorships of—

| | |
|-------------------|------------------------|
| CHURCH HISTORY, | MEDICAL JURISPRUDENCE, |
| RHETORIC, | NATURAL HISTORY, |
| CLINICAL SURGERY, | PRACTICAL ASTRONOMY. |
| MILITARY SURGERY, | |

CLASSES AND LECTURES.

CLASSES.

The Session will be publicly opened on Tuesday, October 31st, at Two o'clock P.M., when an ADDRESS to the Students will be delivered by the Very Reverend JOHN LEE, D.D., Principal.

The CLASSES for the different Branches of Study meet at the following hours.

I. LITERATURE AND PHILOSOPHY.

| <i>Classes.</i> | <i>Hours of Attendance.</i> | <i>Professors.</i> |
|----------------------------------|-----------------------------|---------------------------|
| Junior Humanity..... | 12 & 2 o'clock | Professor Pillans. |
| Senior Humanity..... | 8-30 o'clock... | |
| First Greek | 10 & 1 o'clock | Professor Blackie. |
| Second Greek..... | 11 o'clock..... | |
| Third Greek..... | 2 o'clock..... | |
| First Mathematical..... | 12 o'clock..... | Professor Kelland. |
| Second Mathematical..... | 10 o'clock..... | |
| Third Mathematical..... | 9 o'clock..... | |
| Logic and Metaphysics..... | 1 o'clock..... | Sir W. Hamilton, Baronet. |
| Moral Philosophy..... | 12 o'clock..... | Professor Macdougall. |
| Natural Philosophy..... | 11 o'clock..... | Professor Forbes. |
| Rhetoric and Belles Lettres..... | 4 o'clock..... | Professor Aytoun. |
| Practical Astrouomy | 12 o'clock..... | Professor Smyth. |
| Agriculture..... | 4 o'clock..... | |
| Universal History..... | 2 o'clock..... | Professor Innes. |
| Theory of Music..... | 12 & 3 o'clock... | Professor Donaldson. |

II. THEOLOGY.

| | | |
|--|-----------------|----------------------------|
| Divinity..... | 11 o'clock..... | Principal Lee. |
| Divinity and Church History... | 12 o'clock..... | Rev. James Robertson, D.D. |
| Hebrew—Junior Class..... | 9 o'clock..... | Rev. D. Liston. |
| Advanced Class—Hebrew and Syriac..... | 10 o'clock..... | |
| Biblical Criticism and Biblical Antiquities..... | 1 o'clock..... | Rev. Robert Lee, D.D. |

III. LAW.

| | | |
|----------------------|----------------|-----------------------|
| Civil Law..... | 3 o'clock..... | Professor C. Swinton. |
| Law of Scotland..... | 3 o'clock..... | Professor More. |
| Conveyancing..... | 4 o'clock..... | Professor Menzies. |

IV. MEDICINE.

| | | |
|---|-----------------|--|
| Dietetics, Materia Medica, and Pharmacy..... | 9 o'clock..... | Dr Christison. |
| Chemistry..... | 10 o'clock..... | Dr Gregory. |
| Surgery..... | 11 o'clock..... | Professor Miller. |
| Institutes of Medicine..... | 2 o'clock..... | Dr Bennett. |
| General Pathology..... | 10 o'clock..... | Dr Henderson. |
| Clinical Surgery—(Monday and Thursday) | 12 o'clock..... | Professor Syme. |
| Clinical Medicine—(Tuesday and Friday)..... | 12 o'clock..... | { Drs Alison, Christison, and Bennett. |
| Anatomy..... | 1 o'clock..... | Professor Goodsir. |
| Natural History..... | 2 o'clock..... | Professor Edward Forbes. |
| Midwifery and Diseases of Women and Children..... | 11 o'clock..... | Dr Simpson. |
| Practice of Physic..... | 3 o'clock..... | Dr Alison. |

ROYAL INFIRMARY, at Noon, *Daily*.

PRACTICAL ANATOMY, under the superintendence of Professor Goodsir.
 PRACTICAL CHEMISTRY, under the Superintendence of Dr Gregory.
 ANALYTICAL CHEMISTRY, under the Superintendence of Dr Gregory.

ORIENTAL LANGUAGES.

The Professor of Oriental Languages proposes during the Session to attend in the College with the view of

giving instructions in Hindustani, &c. For particulars apply to Mr Small, at the Library.

LECTURES ON MINERALOGY AND GEOLOGY.

The THOMSONIAN LECTURES ON MINERALOGY and GEOLOGY will be delivered during the latter half of the usual Winter Course of Natural History, and be open to all who choose to attend, separate Tickets being issued for the same. The Fee for this latter half of the Course is fixed at Two Guineas. The fee payable for the entire Winter Course—attendance on which alone will form part of the ordinary Medical Curriculum—remains as at present.

For the encouragement of persons, not ordinary Students at the University, who may desire to attend the Lectures on Mineralogy and Geology, they will be specially Matriculated on payment of a reduced Matriculation Fee of Five Shillings; it being understood that while such non-professional Students shall have the same access to the Museum as the Students of Natural History, they shall not have the privilege of access to the Library.

During the SUMMER SESSION Lectures will be given on the following Branches of Education:—

BOTANY—by Dr Balfour.

HISTOLOGY—by Dr Bennett.

MEDICAL JURISPRUDENCE—by Dr Traill.

THEORY OF MUSIC—by Professor Donaldson.

MILITARY SURGERY—by Sir George Ballingall.

CLINICAL MEDICINE.

CLINICAL SURGERY—by Professor Syme.

COMPARATIVE ANATOMY—by Professor Goodsir.

ANATOMICAL DEMONSTRATIONS—by Professor Goodsir.

PRACTICAL CHEMISTRY and PHARMACY.

PRACTICAL ANATOMY.

NATURAL HISTORY—by Professor E. Forbes.

MATRICULATION.

Every Student, before entering with any Professor, is required to enrol his name in the Book of Matriculations, and to produce to each Professor whose Class he

proposes to attend, a Matriculation Ticket, without which no Student can receive from any Professor a Ticket of admission to his Class. Only those who have not Matriculated for the preceding Winter Session are required to Matriculate for the Summer Session.

The Matriculation Fee is £1; and that for the Summer Course alone, 10s.

The Matriculation Book is open for enrolment in the office of the Secretary to the University, every lawful day from 10 until 4 o'clock, for about a fortnight before the commencement of the Session. The *Senatus Academicus* have ordered that no Medical Student shall be allowed to Matriculate after the end of November, unless on special leave obtained from the Medical Faculty; and the same rule applies to those Literary and Philosophical Students who look to Academic honours.

The enrolment in the Book of Matriculations is the only legal record of attendance at the University.

Professional Students of Divinity are required to enrol their names yearly in a separate book kept in the Hall of the Theological Library. In this book, such as have completed their academical studies, and have been licensed to preach, are also permitted to enrol; this enrolment entitling them to the use of the Theological Library. The Fee for Students and Licentiates is 10s.

RULES AS TO ATTENDANCE.

1. In the literary classes, early in November an advertisement is exhibited, requiring the students of each Class to show their tickets at the class-door, for the purpose of enabling the class porter to know who are entitled to admittance. In a few days thereafter these Tickets are given to the porters, who restore them if required after the class lists have been made up. These class lists are transmitted to the Secretary of the University previous to the 25th of December, for preservation among the Records of the University.

2. As further means of ascertaining the regular attendance of the medical students who may desire certificates, each Professor ascertains the presence or absence of each student twenty-five times in a six months' course, and twelve times in a three months' course. Those

students who shall be found not to have been absent more than twice (once in a three months' course) are entitled to a certificate of having attended "very regularly." Those who have not been absent more than four times (or twice in a three months' course) are entitled to a certificate of having attended "regularly." Those who have been absent more than four times (or twice in a three months' course) are entitled to a certificate of having "attended," but not regularly. And those who have been absent twelve times (or six in a three months' course), are not entitled to any certificate at all.

Exceptions are admitted in the case of those who may be absent from sickness or unavoidable causes, the particulars of which must be stated to the Professor in writing; but if any student has been absent for six weeks, (or for three in a three months' course), his case must be transmitted to the Dean of Faculty, for the decision of the Faculty.

UNIVERSITY LIBRARIES.

A—GENERAL LIBRARY.

The General Library is open for the purpose of giving out Books to Students, either for reference upon the spot, or for loan, every lawful day during the Winter Session, from Ten A.M. to Four P.M., except upon Saturday, when it is closed at One o'clock.

Accommodation is provided for Students wishing to refer to Books in the large apartment adjoining the Library.

Upon applying for Books, whether for reference or on loan, Students are required to present to the officiating Librarian their Matriculation Tickets, together with the Ticket of some one Professor for the present Session. They are likewise, both in borrowing and returning Books, required to make use of the printed formulæ, copies of which are to be found lying upon the counter of the Library.

Students borrowing Books from the Library must deposit £1 in the hands of the Librarian, for every two Books they borrow. For this they receive a voucher, on presenting which, and returning the book uninjured, the money is repaid.

Every volume taken out is expected to be returned

within a fortnight, but may be taken out again for another fortnight, unless previously asked for by another person.

Books which it is considered that it would be inexpedient for Students to read while attending the Classes, as Plays, Novels, &c., are not given out.

B—THEOLOGICAL LIBRARY.

Regulations for the Management of Theological Library.

1. The Library shall be open during the Winter Session every lawful day for three hours a-day, viz. from 12 to 1, for giving out and returning Books; and from 2 to 4, for consultation of Books, except on Saturday, when it shall be open only from 10 to 11. During the Summer Vacation it shall be open twice a-week, viz., on Tuesdays and Fridays from 11 to 1, except during the months of August and September.

2. In the event of two or more applications being made for the same Book, the first application shall be preferred.

3. No Student, on penalty of forfeiting his right to the Library for the rest of the year, shall carry a Book out of the Library until his name has been entered for it, and it has been delivered to him by the Librarian.

4. Not more than two volumes shall be given out to a Civis at a time during the Session, and four during the Vacation.

5. Books in octavo or infra shall be returned in two weeks, quartos in three weeks, and folios in four weeks.

6. Commentaries and dictionaries shall be returned in two weeks, and numbers of periodical works, which are not a year old, shall be returned at the third opening of the Library after that at which they were given out, under the penalty of forfeiting 2d. for each night that any volume has been kept beyond the time prescribed.

7. On the expiry of the time specified in the preceding regulation, books may be renewed by any Civis at his request, provided no previous demand has been made for them by any other person.

8. If any Civis keep a book a month beyond the time prescribed, he shall incur a fine of 2s. 6d. in addition to the ordinary fine of 2d. per night; and the curators

shall immediately take steps for procuring the restoration of the book.

9. In the event of any book being lost, the Civis who has borrowed it shall replace the book, or pay the full value of it. And when unnecessary delay takes place, he shall, besides, be subject to the same fine as if the Book had been so long in his possession beyond the time prescribed.

10. If any Civis injure any of the books, by tearing them, or writing upon them, or in any other way, he shall replace the Book, or be liable to a fine proportioned to the degree of the offence, as determined by the Curators.

11. Whenever there is a duplicate of a book, one copy of it shall be kept in the Library for consultation.

C—HUMANITY CLASS LIBRARY.

The Library attached to the Humanity Class was established in 1824 by private subscriptions and donations. It consists of about 800 volumes on classical and general literature, which are issued to students of both classes without deposit. It is open every Saturday. The borrower returns the book, with a list of what he wants, as he enters the class room, and receives a fresh book as he leaves it, upon signing his name in the register. The only fund for upholding and adding to this Library, besides voluntary contributions in money and books, is that from the sale of the Catalogue. The Library is much resorted to, particularly by the students from the country. The number of issues during a winter session is about forty volumes per week.

STATUTES of the University of Edinburgh, relative to the DEGREE of M.D., and REGULATIONS as to LECTURERS whose Courses of Lectures are to qualify for the Degree of M.D., 1854.

I. ACT OF THE TOWN-COUNCIL.

Edinburgh, 7 August 1854.

The Magistrates and Council having considered the judgment recently pronounced by the House of Lords, in the Processes of Suspension and Interdict and of Declarator, at the instance of the Senatus Academicus, to-

gether with the Statutes of the University relative to the Degree of M.D., sanctioned by the Magistrates and Council on 27th October 1846, and the Regulations as to Lecturers whose Courses of Lectures are to qualify for the Degree of M.D., approved of on 26th January 1847, the operation of which Statutes and Regulations was suspended by reason of the said Proceess of Suspension and Interdict; further, considering that in consequence of such suspension the Magistrates and Council, on 7th September 1847, revived and re-enacted the Statutes of 13th November 1833 (and which were re-seinded by the foresaid Aet of 27th October 1846), as interim Rules and Regulations, until such time as other or further Regulations should be enacted by the Patrons, and that it is proper that the Statutes and Regulations first before mentioned should now receive effect and be acted on; therefore the Magistrates and Council, on report from the College Committee made in pursuance of the remit to them, dated 6th June last, RECALLED the interim Rules and Regulations revived and re-enacted as aforesaid, and RESCINDED the same accordingly; REVIVED and RE-ENACTED the Statutes of the University relative to the Degree of M.D., sanctioned by the Magistrates and Council on 27th October 1846, and the Regulations as to Lecturers whose Courses of Lectures are to qualify for the Degree of M.D., approved of on 26th January 1847; and DIRECTED the Senatus Aademicus to abide by, and conform to, the said Statutes and Regulations in every respect.

The Magistrates and Council directed this Aet to be extracted without abiding another reading in Council, and that the same, together with the Statutes and Regulations revived and re-enacted as aforesaid, be printed, and copies transmitted to the Senatus Aademicus and to the Royal Colleges of Physieans and Surgeons for their information and guidance.

D. M'LAREN, *Lord Provost.*

II. STATUTES OF THE UNIVERSITY OF EDINBURGH RELATIVE TO THE DEGREE OF M.D., sanctioned on 27th October 1846.

SECT. I. No one shall be admitted to the Examina-

tions for the Degree of Doctor of Medicine who has not been engaged in medical study for four years, during at least six months of each, in the University of Edinburgh, or in some other University where the Degree of M.D. is given; unless, in addition to three Medical Sessions so constituted, he has attended, during at least six winter months, the Medical or Surgical Practice of a General Hospital which accommodates at least eighty patients, and during the same period a course of Practical Anatomy.

SECT. II. No one shall be admitted to the Examinations for the Degree of Doctor who has not given sufficient evidence—

1. That he has studied, once at least, each of the following departments of Medical Science, under Professors of Medicine, in this or in some other University, as already defined, viz. :—

| | |
|---|---|
| ANATOMY..... | } During Courses of Six Months. |
| CHEMISTRY..... | |
| MATERIA MEDICA and PHARMACY... | |
| INSTITUTES of MEDICINE or PHYSIOLOGY..... | |
| PRACTICE of MEDICINE..... | |
| SURGERY..... | |
| MIDWIFERY, and the DISEASES peculiar to WOMEN and CHILDREN.. | |
| GENERAL PATHOLOGY, or in Schools where there is no such course, a Three Months' Course of Lectures on Morbid Anatomy, together with a supplemental course of Practice of Medicine, or Clinical Medicine | } During Courses of Six Months. |
| PRACTICAL ANATOMY (unless it has been attended in the year of extra-academical study allowed by Sect. 1.)..... | |
| CLINICAL MEDICINE, that is, the Treatment of Patients in a public Hospital, under a Professor of Medicine, by whom Lectures on the cases are given..... | } During Courses of Six Months, or Two Courses of Three Months. |

| | |
|---|--|
| CLINICAL SURGERY..... | } During Courses of at least Three Months. |
| MEDICAL JURISPRUDENCE..... | |
| BOTANY | |
| NATURAL HISTORY including ZOOLOGY..... | |

2. That in each year of his Academical Studies in Medicine, he has attended at least two Six Months' Courses of Lectures, or one of these and two Three Months' Courses.

3. That, besides the course of Clinical Medicine already prescribed, he has attended for at least six months of another year the Medical or Surgical Practice of a General Hospital, either at Edinburgh or elsewhere, which accommodates not fewer than eighty patients.

4. That he has been engaged, for at least six months, by apprenticeship or otherwise, in Compounding and Dispensing Drugs at a Laboratory of an Hospital, Dispensary, Member of a Surgical College or Faculty, Licentiate of the London or Dublin Society of Apothecaries, or a professional Chemist or Druggist.

5. That he has attended, for at least six months, by apprenticeship or otherwise, the Out-practice of an Hospital, or the practice of a Dispensary, Physician, Surgeon, or Member of the London or Dublin Society of Apothecaries.

Sect. III. Attendance on the lectures of Teachers of Medicine in the Hospital Schools of London, or School of the College of Surgeons in Dublin, or of Teachers of Medicine in Edinburgh, recognised as such by the Royal Colleges of Physicians and Surgeons of Edinburgh (in accordance with regulations to be adopted by these Colleges jointly, and approved of by the Patrons of the University), shall, to the extent of one-third of the whole departments required by Section II., Clause 1, to be studied by Candidates, be held equivalent to attendance under Professors in this or in some other University, as already defined. And such attendance shall be available to Candidates to the extent of one of the four years of study required by Section I., provided it has embraced in one year at least two Six Months' Courses of Lectures, or one of these and two Three Months' Courses.

SECT. IV. No one shall obtain the Degree of Doctor

who has not studied, in the manner already prescribed, for at least one year previous to his Graduation, in the University of Edinburgh.

SECT. V. Every Candidate must deliver, before the 31st of March of the year in which he proposes to Graduate, to the Dean of the Faculty of Medicine—

1. A Declaration, in his own handwriting, that he is twenty-one years of age, or will be so before the day of Graduation; and that he will not be then under articles of apprenticeship to any Surgeon or other master.

2. A Statement of his Studies, as well in Literature and Philosophy as in Medicine, accompanied with proper Certificates:

3. A Medical Dissertation composed by himself, in Latin or English; to be perused by a Professor, and subject to his approval.

SECT. VI. Before a Candidate be examined in Medicine, the Medical Faculty shall ascertain, by examination, that he possesses a competent knowledge of the Latin Language.

SECT. VII. If the Faculty be satisfied on this point, they shall proceed to examine him, either *viva voce* or in writing; *first*, on Anatomy, Chemistry, Botany, Institutes of Medicine, and Natural History, bearing chiefly on Zoology, generally called the First Examination, and usually undergone at the termination of the Third Medical Year, while the Second Examination takes place at the conclusion; and, *secondly*, on Materia Medica, Pathology, Practise of Medicine, Surgery, Midwifery, and Medical Jurisprudence.

SECT. VIII. Students who profess themselves ready to submit to an examination on the first division of these subjects, at the end of the third year of their studies, shall be admitted to it at that time.

SECT. IX. If any one, at these private examinations, be found unqualified for the Degree, he must study during another year two of the subjects prescribed in Section II., Clause 1, in this or in some other University, as above defined, before he can be admitted to another examination.

SECT. X. Should he be approved of, he will be al-

lowed, but not required, to print his Thesis; and, if printed, forty copies of it must be delivered before the 25th day of July to the Dean of the Medical Faculty.

SECT. XI. If the Candidate have satisfied the Medical Faculty, the Dean shall lay the proceedings before the Senatus Academicus, by whose authority the Candidate shall be summoned, on the 31st of July, to defend his Thesis; and, finally, if the Senate think fit, he shall be admitted, on the first lawful day of August, to the Degree of Doctor.

SECT. XII. The Senatus Academicus, on the day here appointed, shall assemble at Ten o'clock A.M., for the purpose of conferring the Degree; and no Candidate, unless a sufficient reason be assigned, shall absent himself, on pain of being refused his Degree for that year.

SECT. XIII. Candidates for Graduation shall be required to produce evidence of their having conformed to those Regulations which were in force at the time they commenced their Medical Studies in a University.

III. REGULATIONS AS TO LECTURERS whose Courses of Lectures are to qualify for the Degree of M.D. in the University of Edinburgh, approved of on 26th January 1847.

1. That no Fellow of the Royal College of Physicians, or of the Royal College of Surgeons of Edinburgh, shall be recognised by the College to which he belongs as a Public Lecturer or Teacher of any of the Medical Sciences, until his qualifications shall have been tried in the particular branch which he professes, by examination before a Board appointed by the Royal College of which he is a Member.

2. That in the case of Lecturers on Chemistry, and on Natural History, who, according to the practice of this School of Medicine, do not require to be Fellows of the Colleges, or to possess a Medical Status, the examination, with a view to recognition, shall be conducted by a joint board, consisting of an equal number of persons, appointed by each of the two colleges.

3. That the Lecturers who have delivered courses of Lectures in Edinburgh, which Lectures have constituted a part of the course of study required for the Surgical

qualifications conferred in this City, shall be exempted from the necessity of qualifying in the manner above described, in regard to future courses on the same subjects. But this regulation shall not be applicable to Lecturers on departments which may in future be added to the course of study for the degree of M.D.

4. That no Lecturer shall be recognised who, at the same time, teaches more than one of the prescribed subjects of study, excepting in those cases where Professors in the University are at liberty to teach two branches.

5. That for every Ticket of a Lecturer, recognised in terms of these regulations, to be ultimately presented as evidence of attendance with a view to Graduation, there shall be paid a fee of the same amount with that exigible by the Medical Professors in the University.

THE ROYAL COLLEGE OF SURGEONS OF EDINBURGH.

*Regulations to be observed by Candidates for the Diploma
of the Royal College of Surgeons of Edinburgh.*

SCHOOLS OF MEDICINE.

1. Every Candidate for a Surgical Diploma must have followed his Course of Study in a University; or in an Established School of Medicine, as defined below; or in a Provincial School specially recognised by the College of Surgeons of that division of the United Kingdom in which it is situate.

2. Under the title established School of Medicine are comprehended the Medical Schools of those cities of Great Britain and Ireland in which Diplomas in Surgery are granted, and such foreign Schools as are similarly circumstanced in the countries in which they exist.

3. Every Candidate for a surgical Diploma must have passed at least one Winter Session in an established School of Medicine or at the School of Aberdeen.

QUALIFICATIONS OF TEACHERS.

1. The following classes of persons shall be entitled to give Lectures, which may be attended as part of the Course of Study:—1st, In the Universities of Great Britain and Ireland, in University College, and King's College, London, in Queen's College, Birmingham, and in

the Queen's Colleges of Cork, Belfast, and Galway, in Ireland,—the Professors of those Institutions. 2d, In Edinburgh, Resident Fellows of the Royal College of Physicians of Edinburgh, and Fellows of the Royal College of Surgeons of Edinburgh, whose Lectures have been sanctioned by the College to which each Lecturer belongs.* 3d, In London, Fellows and Licentiates of the Royal College of Physicians of London, and Fellows and Members of the Royal College of Surgeons of England, whose status as Teachers has been admitted by that College. 4th, In Dublin, Fellows of King's and Queen's College of Physicians in Ireland, and Fellows of the Royal Colleges of Surgeons in Ireland. 5th, In Glasgow, Fellows of the Faculty of Physicians and Surgeons of that city.†

2. The College will not recognise any Course of Lectures, delivered subsequently to 1st May 1839, by a Professor or Teacher who lectures upon more than one of the branches of instruction included in their Curriculum, nor any Course delivered by a Professor or Teacher who, in addition to the said Course, lectures upon a branch of instruction, medical or general, not included in the Curriculum, unless such Professor or Teacher shall have obtained special leave from the College to do so.

3. Notwithstanding the above regulation, the teaching of two branches, as in the following instances, may be undertaken by one individual without disqualification being incurred, viz.—

ANATOMY and PRACTICAL ANATOMY ;

CHEMISTRY and PRACTICAL CHEMISTRY ;

PRACTICE of MEDICINE and CLINICAL MEDICINE ;

PRACTICE of SURGERY and CLINICAL SURGERY ;

and, for the present, CLINICAL MEDICINE or CLINICAL SURGERY may be taught simultaneously with any one of the other courses of education prescribed in the Curriculum, by a Physician or Surgeon qualified according

* The College enacted, in 1846, Statutes regarding the manner of sanctioning Lecturers and Teachers, which is by special examination on their several departments.

† The only Lecturers excepted from this Law are those on Chemistry, who may be persons non-medical, if recognised by the College jointly with the College of Physicians, in conformity with Statutes enacted in May 1847 and printed separately.

to the regulations of the College, and attached to a Public Hospital of the size which those regulations prescribe.*

COURSE OF STUDY.

1. *Preliminary Instruction*.—Every Candidate for the Diploma of the Royal College must have received regular instruction in the Elements of Mathematics, and must have acquired a knowledge of Mechanical Philosophy. For this purpose the College recommend attendance on a regular course of Lectures where practicable. The Candidate must also have been well instructed in the Latin Language.

2. *Professional Instruction*.—The Candidate must have been engaged in attending the following separate and distinct Courses of Lectures during a period of not less than twenty-seven months; in which must have been included three Winter Sessions of six months' duration each.

ANATOMY—two Courses † of six months each.

PRACTICAL ANATOMY—twelve months.

CHEMISTRY—one course of six months.

PRACTICAL CHEMISTRY—one course of three months.—

(The number of Pupils in each class being limited to twenty-five. Or,

ANALYTICAL CHEMISTRY—one course of three months.

MATERIA MEDICA AND PHARMACY—one course of six months.

INSTITUTES OF MEDICINE; or, PHYSIOLOGY ‡—one course of six months.

PRACTICE OF MEDICINE—one course of six months.

CLINICAL MEDICINE §—one course of six months; or.

* In making the above concession respecting Clinical Medicine and Clinical Surgery, the College wish it to be understood that this is done, rather in consideration of the present state and arrangements of existing Schools, than from their entertaining any doubt that the teaching of either of those branches, in addition to his Hospital duties, would afford ample occupation for a teacher.

† The two Courses must not be simultaneous.

‡ In those Schools of England and Ireland in which two separate Courses of Lectures are delivered by different Teachers, one on Anatomy, the other on Anatomy and Physiology, the former of these Courses will be received as one of the two Courses of Anatomy required by this College; and the other as the Course of Institutions of Medicine or Physiology.

§ Clinical Medicine and Clinical Surgery must not be attended at the same time.

two courses* of three months each, during the period of his attendance at the Hospital where they are delivered.

PRINCIPLES AND PRACTICE OF SURGERY—two courses* of six months each. *Or,*

PRINCIPLES AND PRACTICE OF SURGERY, *and* MILITARY SURGERY †—one course of six months each.

CLINICAL SURGERY—one course of six months; *or,* two courses* of three months' each, during the period of his attendance at the Hospital where they are delivered.

MIDWIFERY AND DISEASES OF WOMEN AND CHILDREN—one course of three months.

MEDICAL JURISPRUDENCE—one course of three months.

Besides the above-mentioned Courses of Lectures, the Candidate must have attended a course of instruction in Practical Pharmacy, at the Laboratory of a Surgeon or Apothecary; or of a Chemist and Druggist recognised by the College on special application; or of a Public Hospital or Dispensary; and he must produce evidence that he has been engaged in compounding and dispensing Medicines for the space of six months. Those who produce certificates of having been, for the space of, at least, two years, private Pupils or Apprentices to regularly licensed Medical Practitioners, keeping Laboratories for dispensing Medicines, shall be held qualified in this branch of instruction.

3. The six months' Courses delivered in *Edinburgh* must consist of not fewer than 110 Lectures, with the exception of Clinical Medicine, Clinical Surgery, and Military Surgery. The three months' Courses must consist of not fewer than Sixty Lectures. Two *London* Courses of three months each, on any of the above subjects, will be taken as equivalent to one six months' Course.

* The two Courses must not be simultaneous.

† The Course of Military Surgery must be delivered by a Professor of that branch in a University, or by a Lecturer who, in addition to the other requisite qualifications, has served in the Medical Department of the Army or Navy; and the Course must be of at least six months' duration, and comprehend not fewer than Sixty Lectures.

4. The Candidate must also have attended, for twenty-one months, a Public General Hospital containing, at an average, eighty patients.

5. The following Order of Study is recommended as a guide to the Student, though not absolutely enjoined :—

First Year—Anatomy, Chemistry, Mechanical Philosophy, if not previously attended, Practical or Analytical Chemistry, either in this or the Second Year.

Second Year—Anatomy, Practical Anatomy, Institutions of Medicine or Physiology, Surgery, Materia Medica and Pharmacy, either in this or the Third Year, Hospital.

Third Year—Practice of Physic, Clinical Surgery, Practical Anatomy, Practical Pharmacy, Hospital.

Fourth Year—Surgery or Military Surgery, Midwifery and the Diseases of Women and Children, Clinical Medicine, Medical Jurisprudence, Hospital.

6. The College strongly recommend to Students to avail themselves of any opportunities which they may possess of attending Lectures on Botany, Natural History or Natural Science, Comparative Anatomy, and Pathological Anatomy, in addition to the Courses of Lectures which are absolutely required by the above Regulations.

REGISTRATION AND CERTIFICATES.

1. A book shall be kept in the Hall of the College for the Registration, at stated times, of all Medical Students who may apply. In this book all Edinburgh Students who desire to possess the Diploma of the College must enter their names, and the Classes which they attend, whether under Professors in the University, or under other qualified Teachers.

2. The Registration shall be conducted by the Conservator of the Museum, or by a substitute, for whom he shall be responsible. He shall enter in separate columns—1st, The name of each individual; 2d, The Medical Classes, Hospitals, and Dispensaries attended by each during the current season; 3d, The names of the Teachers.

He shall register such only as apply personally to him, shall examine all the tickets produced by each individual, and shall not register any classes for which tickets are not produced.

3. At the close of each session Students shall produce to the Registrar the Certificates of attendance they may have received from their respective Teachers, the terms of which shall be entered in the Registration Book.

4. Each Student shall pay annually, on his first registration for the year, the sum of Five Shillings, and shall be provided with a ticket of admission to the Museum.

5. The book shall be closed for the registration of the Winter Classes on the 30th of November in each year; and of the Summer or Intermediate Classes at the end of the *second* week from their commencement.

6. When a Student is prevented by sickness, or any other unavoidable cause, from complying with the above regulations, he shall, *as soon as the case admits*, present a statement of the circumstances, with proper evidence, to the Conservator, to be laid by him before the Registration Committee, who shall report their opinion to the College; and, if the application be sustained, the individual so applying shall be enrolled in the usual manner.

7. All Students whose Classes are thus registered shall be entitled to receive from the Conservator Certificates of their Courses of Study attested by his signature; but no Class shall be included in such Certificates unless actual attendance thereon has been previously attested by the Professor or Lecturer. No fee is exacted for these Certificates.

8. Such Certificates will be required from all Candidates for Surgical Diplomas, in regard to that part of their Medical education which they may have received at Edinburgh. Similar Certificates will be received from any other Schools in which registration-books are kept, in regard to such portions of the Course of Study as the Certificates may embrace. Candidates educated at Schools where no registration-books are kept, must produce Certificates from the respective Professors or Lecturers, both of their having entered to their several Classes at an early period of the course, and also of their

having attended those Classes with due regularity. And in the case of Practical Anatomy, the Certificate must express that the Candidate has, during the course of his attendance, been actually engaged in the Dissection of the human body under the personal superintendence of the Professor or Teacher.

EXAMINATIONS.

1. The days of Examination are the first and third Tuesdays of every month.

2. No Candidate will be admitted to Examination before the termination of his last year's course of study.

3. Applications for Examination must be made to the Examiner of the Students' Course of Study at least two days previously to the day of Examination.

4. Every Candidate, on applying to the Examiner, will be required,—1st, To produce satisfactory evidence of his having attained the age of twenty-one years; and, 2d, To present a tabular statement (for which a printed form will be furnished by the Conservator) exhibiting the full amount of his professional education, as well as a separate list of all the Classes, Hospitals, and Dispensaries attended during each session of his Studies. If he have been an Apprentice, he shall also insert the name of his master, the date of his indenture, and the length of time for which he was bound. This statement, accurately filled up, must be attested by his signature.

5. If the Candidate have been an Apprentice to a Fellow of the College, he must also produce his discharged indenture.

6. On the production of these documents, the Examiner will give the Candidate a letter authorising the Examinators to take him on trial.

7. The Fees payable to the funds of the College must be lodged, before the examination, in the hands of the Treasurer, who will certify this upon the Examiner's letter, after inspecting and being satisfied with the certificates. The fees will be returned to unsuccessful Candidates; whose names will be concealed.

8. Unsuccessful Candidates will be remitted to their studies for a period to be determined by the judgment of the Examinators, but not in any case less than three months.

9. The Examiner, if he judge it proper, may order a meeting for examination on any day, at the request of a Candidate; but in that case the Candidate must pay two guineas in addition to the customary fees; and this money will not be returned to him in the event of his being remitted.

10. The College having instituted an Examination in Latin, and also an Examination in Mechanical Philosophy, to take place on the second Saturday in December annually, without expense to the Students, those who desire to avail themselves of either or both of these Examinations must give in their names, addresses, and places of birth, to the Officer of the College, two full days prior to the day of the Examinations. Students intending to take the Diploma of the College are recommended to take these Examinations at as early a period in the course of study as possible.

11. Candidates for the Diploma of the College, who have taken a Degree in Arts from a University of Great Britain or of Ireland, will be exempted from the Examinations in Latin and in Mechanical Philosophy.

12. All Candidates who have not given proof of the competency of their knowledge of Latin by the methods prescribed in the last two regulations, will be required to translate into English a portion of a Latin author at the commencement of their Examination for the Diploma of Licentiate; and if they cannot do so satisfactorily, the Examination will not be proceeded with.

13. All Candidates who have not given proof of the competency of their knowledge of Mechanical Philosophy by the methods prescribed above (10, 11), will be liable to be examined on this department as a part of their Examination for the Diploma of Licentiate.

14. In order to test more effectually the practical knowledge of Candidates, specimens of Anatomy and of the Materia Medica will be employed during the Examinations; and every Candidate will be required to write out one or more formulæ of prescription.

15. In recording the results of the Examinations for the Diploma of Licentiate, the Examinators have been instructed to attach special marks of their approbation, in future, to the names of those Licentiates whose ac-

quirements shall appear to them to be of a superior description.

FEES PAYABLE BY CANDIDATES.

1. *For a Diploma*, Ordinary Candidates pay the sum of £10.

2. Apprentices of those who were Fellows of the College prior to the Charter of 1851, pay £5 for a Diploma.

3. *For the Certificate of Qualification to act as Assistant-Surgeon in the Navy*, Candidates not having paid for any previous Qualification pay £4 : 19 : 6.

[Assistant-Surgeons in the Navy, having previously obtained Certificates from the College, will receive a Diploma on making up the sum to £10.]

4. *For the Certificate of Qualification to act as full Surgeon in the Navy*, Assistant-Surgeons who have already obtained Certificates from the College pay £3 : 18 : 6 ; and those who have previously obtained the *Diploma* of the College pay £2 : 17 : 6.

[Surgeons in the Navy will obtain a Diploma on making up the sum to £12 : 17 : 6.]

The sums stated above include all Fees of every kind, and the Officer is prohibited from receiving any.

N.B.—The Director-General of the Army and Ordnance Medical Department has authorised the College to announce that it is his purpose to give annually two Army Medical Appointments to Licentiates of the College, recommended as having given proofs “of more than the ordinary acquirements.” The College therefore give notice that the recommendations will be awarded, as formerly, by a special Board ; and that in every case in which a Licentiate has earned the marks which are mentioned in p. 21, § 15, such Licentiate, on being admitted to competition for the Army Appointments, will be exempted from being re-examined on the subjects of the ordinary examination for the Diploma. All those not having such marks must be subjected to re-examination on professional subjects.

Before Licentiates are admitted to the competition, their course of Study must be certified by the Army Medical authorities to be conformable to *their* Curriculum, which, besides including a larger amount of attendance

on some classes than is required by the College, prescribes some additional branches of instruction.

Due notice of the times of competing for these appointments will be given by public advertisement.

SURGEONS' HALL, EDINBURGH.

WINTER SESSION, 1854-55.

The following COURSES of LECTURES on MEDICAL SCIENCE, and also those delivered in the University, qualify for Examination for the Diploma of the Royal College of Surgeons. All the Courses are for Six Months, if not otherwise specified.

Classes open on Thursday, November 2.

| | | |
|---|----------------------------|--|
| Surgery..... | 10 A. M. | Mr Spence. |
| Chemistry..... | 11 A. M. | Dr George Wilson. |
| Analytical Chemistry..... | 9 A. M. | Dr George Wilson, assisted by Dr Macadam. |
| Practical Chemistry—(Three Months' Course) | till 4 P. M. | |
| Natural Philosophy—(Three Months' Course, <i>School of Arts</i>)..... | 12 noon | George Lees, LL.D. |
| Clinical Medicine—(<i>Royal Infirmary</i> , Tuesdays and Fridays)..... | 12 noon | Dr William Robertson. |
| Clinical Surgery—(<i>Royal Infirmary</i> , Mondays and Thursdays)..... | 12 noon | Dr Dunsmure. |
| Anatomy..... | 1 P. M. | Dr John Struthers. |
| Anatomical Demonstrations..... | 4 P. M. | |
| Practical Anatomy..... | 9 A. M. till 4 P. M. | Dr John Struthers, assisted by Mr John Locking, Surgeon. |
| Materia Medica and Dietetics..... | 2 P. M. | Dr Douglas MacLagan. |
| Practice of Physic..... | 3 P. M. | Dr Alexander Wood. |
| Practice of Physic—(4 <i>High School Yards</i>)... | 3 P. M. | Dr W. T. Gairdner. |
| Pathological Anatomy—(<i>Royal Infirmary</i>)..... | | Dr Rutherford Haldane. |
| Royal Infirmary..... | | At noon daily. |

The INTRODUCTORY ADDRESS will be delivered by MR SPENCE on Wednesday, Nov. 1, at 2 P.M.

FEES.—For the First of each of the above Courses, £3, 5s; for the second, £2, 4s; Perpetual, £5, 5s. To those who have already attended a First Course in Edinburgh, the Perpetual Fee for that Class is £2, 4s. The fees for the following Courses are,—Natural Philosophy, £2, 2s.; Practical Chemistry and Practical Anatomy, £3, 3s.; Anatomical Demonstrations, £2, 2s. Practical Anatomy with Demonstrations, £4, 4s.; Analytical Chemistry, £2 a Month, or £10 for the Winter Session. *Royal Infirmary*, Perpetual Ticket, £12, 17s.; Annual,

£5, 7s. 6d. ; Half-Yearly, £3, 5s. 6d. ; Quarterly, £1, 13s. ;
Edinburgh Maternity Hospital, Six Months, £1, 3s.

During the SUMMER SESSION, 1855, the following Three
Months' Courses will be delivered:—

NATURAL PHILOSOPHY—Dr Lees.

MEDICAL JURISPRUDENCE—Dr Rutherford Haldane.

MIDWIFERY—Dr Keiller.

MIDWIFERY—4 *High School Yards*.—Dr J. Mathews
Duncan.

CLINICAL SURGERY—Dr DUNSMURE.

PRACTICAL ANATOMY, with Demonstrations—Dr John
Struthers, assisted by Mr Looking.

PRACTICAL and ANALYTICAL CHEMISTRY—Dr Wilson,
assisted by Dr Macadam.

The above Courses of Lectures qualify for Examination at the Royal Colleges of Surgeons of Edinburgh, England, and Ireland ; the Apothecaries' Hall, London ; the Faculty of Physicians and Surgeons of Glasgow ; the Boards of the Army, Navy, and East India Company ; and also, so far as required, for the Universities of London, Oxford, Cambridge, St Andrews, Aberdeen, and the Queen's University, Ireland.

In accordance with the recent statutes of the University of Edinburgh, one-third of the entire Medical Classes required for Graduation may be attended under any of the above Teachers ; and one of the four years of Study required for the University Degree may be constituted by attendance in one year, on two of the above Six Months' Courses, or on one of these and two Three Months' Courses. The Regulations require that, in this case, the Fee for any of the above Classes shall be the same as that for the corresponding Class in the University.

Those who hold a Scotch or Irish Diploma or Degree in Surgery, are admitted to the same rights under the Poor Law Amendment Act as Members of the Royal College of Surgeons of London.

Students are requested to bear in mind that the *Registration* at Surgeons' Hall closes on 30th November.

ROYAL COLLEGE OF PHYSICIANS.

Abstract of the Regulations relating to Admission to the Fellowship, dated August 1852.

No one is admissible as a Fellow who has not obtained the degree of Doctor of Medicine. All petitions for the Fellowship are determined by ballot.

Graduates of foreign universities must previously submit to an examination before the Examiners of the College, which shall consist—

1. Of a dissertation in English on some subject in the practice of physic, selected by the examiners.

2. Of a *viva voce* examination in English, chiefly on Symptomatology, Pathology, and Therapeutics of Diseases; but in part, also, on Anatomy, Chemistry, Botany, and Physiology.

3. The Examiners may institute such examination as they may consider advisable for satisfying themselves that the candidate has received a competent education.

The mode of election of a non-resident is the same as that of a resident Fellow.

The fees for a resident Fellowship amount to £105, and for a non-resident, £55, both inclusive of stamp-duty. Fee paid by a resident or non-resident Licentiate, £55, exclusive of any tax payable to government. Every resident Fellow pays an annual subscription of £1, 1s. to defray the College expenses.

REGULATIONS, &c., AS TO ATTENDANCE AT THE ROYAL INFIRMARY.

The dates of issuing Tickets to Students are—

1ST NOVEMBER,
1ST FEBRUARY,
1ST MAY, and
1ST AUGUST.

It is required that the Album be signed at the following periods :—In the course of the third or last week of *December* or *April*; the last week of *February*; the last week of *May*; the last week of *November*. To these periods of registration the Managers request the particular attention of the Students attending the Infirmary, as no certificates of regular attendance can be given to those who fail to comply with this regulation.

Sums payable by Students, including Janitor's Fees—

| | |
|------------------------------|----------|
| Perpetual Ticket, - - - | £12 17 0 |
| Annual ... - - - | 5 7 6 |
| Half-yearly ... - - - | 3 5 6 |
| Quarterly ... - - - | 1 13 0 |
| Certificate of Attendance, - | 0 5 0 |

RESOLUTIONS adopted by the MANAGERS of the ROYAL INFIRMARY of EDINBURGH in regard to the Qualification and Election of CLERKS to the HOSPITAL.

The Managers having resumed consideration of the suggestions by Mr Hope, the reply thereto by the Physicians and Surgeons, and the separate remarks by Drs Alison, Christison, and Bennett, and the observations on the whole papers by Mr Hope, containing a modification of the plan proposed in his suggestions, resolved as follows, viz. :—

I.—*In regard to the Resident Clerks.*

(1.) That in future no person shall be eligible for the office of Resident Clerk who has not obtained a Degree in Medicine, or a Surgical Diploma.

(2.) That a Book shall be kept along with the Album at the Infirmary, in which all who are desirous of becoming Candidates for the office of Resident Clerk must enroll their names and addresses, and that a printed notice of the establishment of such a List be hung up at the entrance to both Hospitals, and also in the Porter's room where the Album is kept, and that application be made to have such notice printed in the University Lists at the commencement of each Session.

(3.) That when a vacancy occurs in the office of Resident Clerk, a meeting of the whole Physicians of the Hospital, both Ordinary and Clinical, if the vacancy be among the Medical Clerks, or of the whole Surgeons, if the vacancy be among the Surgical Clerks, shall be held, and either body of Physicians or Surgeons, as the case may be, shall select from the List of Candidates, appointed to be kept as aforesaid, the individual whom they shall, according to the standard of qualifications to be fixed by them, consider to be most eligible for the office, and the whole Physicians or Surgeons present at

the Meeting, shall sign a recommendation of the individual so selected, and forward it to the Managers.

(4.) That upon receiving such recommendation, the Managers will, under the reservations after mentioned, elect the individual recommended for a period of six months, and at the expiry of said period, they will re-appoint him for other six months, upon production of a recommendation signed by the body of Physicians or Surgeons, as the case may be.

(5.) That when a Clerk is desirous of being transferred from one department of the Hospital to the other, he must produce the written consent of the Medical Officer with whom he has acted, and also of him to whom he wishes to be transferred, or of the body of Physicians or Surgeons.

(6.) That the Physicians and Surgeons shall be held to be responsible to the Managers for the conduct of their Clerks, both resident and non-resident, and also of the Dressers, and shall have the power, with the consent of the Managers, of dismissing a Clerk or Dresser from the Hospital.

(7.) That all complaints from any quarter against the Clerks and Dressers, or any of them, shall be made to the Managers in the first instance, and shall be remitted to the Physicians or Surgeons, to be investigated by either body, unless the Managers shall see fit to make the inquiry themselves; and the Physicians or Surgeons shall be bound forthwith to investigate the same, and decide thereon, or make a report to the Managers, if the matter shall require their interference.

(8.) That the power of control over the whole Clerks and Dressers, and of dismissing them at any time, shall be reserved to the Managers as entirely as at present, notwithstanding of the foregoing Regulations.

(9.) That in future no sum shall be charged to the Clerks for Board and Lodging, and that the same shall be furnished free, under such Regulations as the Managers may from time to time appoint.

II.—*In regard to the Non-Resident Clerks and Dressers.*

(1.) That the appointments to these situations shall be left entirely to the Physicians and Surgeons, and that no fee be exacted from the Dressers.

(2.) That in future no Hospital Certificate shall be given to the non-resident Clerks and Dressers, and that it be left to the Physicians and Surgeons to determine what qualifications shall be necessary for these offices.

(3.) That a book shall be kept in the same manner as is provided for in regard to the Clerks, in which all who are desirous of becoming Candidates for the office of non-resident Clerk or Dresser shall be required to enter their names, and that public notices of this Register be given in the same manner as in the case of the Register of Candidates for the office of resident Clerk.

(4.) That the Physicians and Surgeons shall not appoint any person to either office whose name has not been entered in such Register.

By order of the Managers,

PETER BELL, *Clerk.*

Royal Infirmary of Edinburgh,

31st July 1851.

ROYAL PUBLIC DISPENSARY, 21 WEST RICHMOND STREET.

Medical Officers.

| | | |
|---------------|--------------------|-------------|
| Dr KEILLER, | Dr PATTISON, | Dr HUSBAND, |
| Mr SPENCE, | Dr HALDANE, | Dr WRIGHT, |
| Mr STRUTHERS, | Dr W. T. GAIRDNER, | Dr SANDERS. |
| Dr ANDREW, | Dr SOMERVILLE, | |

Medicines are given at One in the Afternoon on week days, and at Seven in the Evening every day.

Vaccination on Wednesday and Saturday, at 12 o'clock.

Medical Students are allowed to attend the patients, and to prescribe for the patients, under the superintendence of the Medical Officers of the institution. The Fee for this privilege is £3, 3s. for six months, or £2, 2s. for the first three months, and then £1, 1s. for each subsequent three months.

Students are also permitted to attend the Laboratory of the Dispensary, where they have ample opportunities of compounding medicines, preparing prescriptions, and performing many of the minor operations of Surgery. The terms of attendance are, for one month, £1, 1s.; for three months, £2, 2s.; and for six months, £3, 3s.

Physician Accouchers.

Dr ANDREW,

Dr KEILLER,

Dr WRIGHT,

Dr MATHEWS DUNCAN.

The terms of attendance are, for six months, £1, 1s.

NEW TOWN DISPENSARY.

17 EAST THISTLE STREET.

*Medical Officers.**Consulting Physician*—Dr ALISON.*Consulting Surgeon*—Dr MACLAGAN.*Physician Accoucheur*—Dr GRAHAM WEIR.

Ordinary Medical Officers—Dr BURN MURDOCH, Dr J. D. GILLESPIE, Dr WARBURTON BEGBIE, Dr R. HALDANE, Dr FOULIS, Dr WRIGHT.

The regulations regarding Pupils are similar to the Royal Dispensary.

Attendance at the Dispensary qualifies for all the public Boards.

EYE DISPENSARY OF EDINBURGH,

405 LAWNMARKET,

*Instituted 1822.**Medical Officers.*

Dr ROBERTSON, } *Consulting Surgeons.*
 Dr DUNCAN, }

Mr WALKER, } *Acting Surgeons.*
 Dr WILSON, }

The Dispensary is open on Mondays, Wednesdays, and Fridays, at 1 o'clock. The average number of patients for the last three years was 1339 per annum. Students are admitted to see the practice on payment of £2, 2s. for three months' attendance. Candidates for a Medical Appointment in the East India Company's Service are, by a late regulation, required to have a certificate of three months' attendance at an Eye Institution. During the Summer Session, Mr Walker gives a Course of Lectures on Diseases of the Eye, to which Pupils attending the Dispensary are admitted without additional fee.

EYE INFIRMARY OF EDINBURGH, 140 GEORGE STREET.

Open at one o'clock daily. Patients whose cases require operations are accommodated in the house. Advice and Medicine to the poor gratis.

Medical Officers—Dr HAMILTON, Mr BENJAMIN BELL.

ROYAL MATERNITY HOSPITAL. *Instituted 1843.*

This Hospital is situated in Argyle Square. The Fee for attending it for Six Months is £1, 3s.

EDINBURGH VETERINARY COLLEGE. SESSION 1854-5.

The ensuing Session will commence on Tuesday the 7th November next, at 3 o'clock P.M., with an introductory Lecture by Professor DICK.

The Course of Study includes the following Classes:—

| | | |
|---|-------------------|--------------------------|
| Veterinary Medicine and Surgery..... | 4 P.M. daily..... | Professor Dick. |
| Veterinary Anatomy and Physiology..... | 2 P.M. daily..... | Mr Barlow. |
| Chemistry, (Mondays, Wednesdays, and Fridays,)..... | 12 noon..... | Dr Geo. Wilson, F.R.S.E. |
| Veterinary Materia Medica and Pharmacy,..... | 9 A.M. daily..... | Mr Dun. |
| Veterinary practice, dissections, and demonstrations daily. | | |

An attendance of not less than two Sessional years is required before a Student can present himself for a Diploma.

The Examination for the Diploma takes place in the third week of April annually.

The perpetual Fee for attendance on all the Classes is £16, 16s.

An additional Fee of £1, 1s. is required for the Examination and Diploma.

A Summer Course, extending from May to July inclusive, is given by Mr Barlow on Physiological and Pathological Anatomy and Histology, as applicable to Veterinary Medicine and Surgery. Fee, £2, 2s.

MEDICO-CHIRURGICAL SOCIETY, *Instituted 1821,*

Meets in 51 George Street on the Third Wednesday of each month.

OBSTETRICAL SOCIETY

Meets on the 2d Wednesday of each month, at 17 East Thistle Street.

SPECULATIVE SOCIETY,

Instituted in 1764,

Meets every Tuesday Evening at 7 o'clock during the Winter Session. The Entrance Money is £5, 5s., and Annual Payment £1, 1s. The Library is very select, and particularly well stored with Parliamentary History and Debates, and works on Political Economy. A history of this Society has been published, to which we beg to refer for further details.

THEOLOGICAL SOCIETY,

Instituted in 1776,

For the consideration of questions in Biblical Criticism, Theology, Church History, the Authenticity, Genuineness, Integrity, and Inspiration of the Scripture Record, or any topic connected with its history.

WERNERIAN NATURAL HISTORY SOCIETY.

This Society was instituted in the year 1808, under the auspices of the late Professor Jameson, Dr Thomson of Glasgow, the Rev. Dr Macknight, Patrick Neill, Esq., Dr Charles Anderson of Leith, and the late Dr Barclay. The Town Council of Edinburgh granted a charter or seal of cause, with permission to the Society to hold meetings and deposit their collections of Natural History in the College.

PHYSIOLOGICAL SOCIETY.

This Society meets, during the Winter and Summer Sessions, every other Saturday, in a private room at the College. An original communication on some scientific subject is the only qualification necessary to gain admission.

BOTANICAL SOCIETY,

Instituted in 1836,

Meets on 2d Tuesday of every month, from November to July inclusive.

ASSOCIATED SOCIETIES OF THE UNIVERSITY OF EDINBURGH.

Patrons.

The LORD PROVOST and MAGISTRATES OF EDINBURGH.

Honorary President.

Sir EDW. BULWER LYTTON, Bart., M.P.

HUNTERIAN MEDICAL SOCIETY,

Instituted 1824,

Meets every Wednesday during the Winter Session, at 8 o'clock P.M., for the discussion of Medical Subjects. Entrance Fee, £1, 1s.; and 10s. annually are paid for two succeeding years.

SCOTS LAW SOCIETY,

Instituted 1815,

Meets every Monday Evening, during Winter, at 9 o'clock, in the Societies' Hall, College, for the discussion of Legal and Literary Questions.

Entrance Fee, 7s. 6d., and the Annual Subscription, 7s. 6d.

DIALECTIC SOCIETY,

Instituted 1787,

Meets every Saturday Evening, at 7 o'clock, during Winter, in the University, for the prosecution of Literary and Philosophical Composition, Criticism, and Debate.

DIAGNOSTIC SOCIETY,

Instituted 1816,

Meets every Thursday Evening in the Societies' Hall, College.

ANATOMICAL MUSEUM.

The Anatomical Museum occupies a small suite of rooms at the north-west end of the College.

It contains three series of Preparations, illustrative of—

1. Human Anatomy.
2. Pathological Anatomy.
3. Comparative Anatomy.

The last group is the most attractive, on account of

the large proportion of injected specimens which it displays. These injections were made principally by Professor Goodsir; under whose superintendence, also, many valuable dissections have been added.

The Morbid Anatomy Series is especially rich in Diseases of the Heart and other viscera; there is also a remarkable set of Intestinal Concretions, which formed part of the original Monro Collection.

A Catalogue of the Museum is in progress, but it is impossible to say when it will be completed.

The Museum is open to all Students of Medicine on Saturdays (during the Session), from 10 to 12 A.M.; at the same time, it is fully understood that any gentleman, wishing to examine or study carefully at leisure particular preparations, will have no difficulty in gaining access, by applying to Dr Cobbold, at the Museum, any lawful day between the hours of 10 A.M. and 3 P.M.

NATURAL HISTORY MUSEUM.

Admission to the College Museum is free to the Students of the Natural History Class.

Other Students and the public pay one shilling for each visit.

BOTANICAL MUSEUM.

The Museum of Economic Botany at the Royal Botanic Garden is open every lawful day, from an early hour in the morning till 6 P.M.

The University Herbarium (at the Botanic Garden) may be consulted on application to the Professor of Botany.

The Botanical Society's Rooms, University, are open on Tuesdays from 11 till 4, for the inspection of the Herbarium of British Plants &c. Members have the privilege of introducing a friend.

BOTANICAL GARDEN.

The Botanical Garden is about half-an-hour's walk from the College. The Lectures on Botany are delivered there in the Summer at 8 A.M. The Garden is open to the Pupils from an early hour in the morning until 6 P.M.

Palmhouses and Hothouses open on Wednesdays and Saturdays, from 12 till 4 in Summer, and from 12 till 3 in Winter; at other times admission may be obtained by Strangers on application to the Professor of Botany.

ROYAL MEDICAL SOCIETY.

7 MELBOURNE PLACE, GEORGE IV. BRIDGE.

THE ROYAL MEDICAL SOCIETY was instituted in 1737, and was incorporated by Royal Charter in 1778.

Originated by the energy and zeal of a few diligent students, it was soon supported by the talent of Cullen, Rutherford, Gregory, and the second Monro; and it is not the least of the many benefits which these great men conferred upon science, that they should have been so instrumental in establishing a Society, whose prosperity has ever since been intimately connected with that of the Edinburgh Medical School, and from whose ranks have risen nearly all the many ornaments of medical science which Britain has seen during the last century. Black, Duncan, Sir Gilbert Blane, Sir Astley Cooper, Sir James Mackintosh, Bickersteth (afterwards Lord Langdale), Hope, Prichard, Turner, and John Reid, — Marshall Hall, John Davy, Conolly, Bright, Carpenter, Allen Thomson, and nearly all the present distinguished medical Professors in our University, are but a few of the many illustrious men who commenced their successful career within its walls. All took an active part in its discussions. Many occupied the honourable position of President.

The Society meets every Friday Evening at 7 P.M., for private, and at 8 P.M. for public business, when dissertations are read and discussed. The Library contains upwards of 14,000 Volumes, and being at once extensive and select, is one of the best Medical Libraries in Britain. The Reading Room, open from 9 A.M. to 10 P.M., contains all the best Medical Periodicals.

Any gentleman wishing to become a member of the Society, must sign a formal petition for a seat, and be recommended by six members of the society. His admission is determined by ballot. On being admitted, he signs the obligation, and is presented with a copy of the Laws, of the List of Members, and of the Catalogue of the Library of the Society.

The fees are either £8, paid on admission, or £2 paid for the first five years; the first payment being made on admission, the succeeding ones on the first Friday of December, provided the member be resident in Edinburgh. Each member is required, in his second or third session, to read a Dissertation on some subject allotted to him by the Society.

Each member has the right of admitting twelve visitors during the Session; but the same gentleman cannot be admitted as a visitor more than twice in one Session.

ROYAL PHYSICAL SOCIETY.

The Royal Physical Society of Edinburgh was instituted in 1771, for the cultivation of Natural and Physical Sciences; and in 1788 was incorporated by Royal Charter, under the title of "The Royal Physical Society of Edinburgh."

The entry-money is twenty-five Shillings. The subsequent payments shall be One Guinea for each of the two following years; and all new Members shall afterwards pay 5s. per year: and old Members are expected to pay a like sum to meet current expenses. Library, No. 6 York Place—Meetings held there once a-month.

BACHELOR AND MASTER OF ARTS EXAMINATION.

Regulations to be observed by Candidates for the Degrees of Bachelor and Master of Arts.

1. It is required that Candidates for the Degree of Master of Arts shall have completed Four Years of Academical Study, and attended the following Classes:—Latin, Greek, Mathematics, Logic and Metaphysics, Moral Philosophy, Natural Philosophy, and Rhetoric; of which Greek, Logic and Metaphysics, Moral Philosophy, and Natural Philosophy, must have been attended during separate Sessions.

2. It is required that Candidates for the Degree of Bachelors of Arts shall have completed Three Years of Academical Study, and attended the following Classes:—Latin, Greek, Mathematics, Logic and Metaphysics, and Moral Philosophy; of which, Greek, Logic and Meta-

physics, and Moral Philosophy, must have been attended during separate Sessions.

3. The Books and Subjects upon which the Candidates are to be examined are specified below.

4. The names of intending Candidates for the year 1855 must be announced to the Dean of the Faculty before the 19th of March 1855, and the tickets and certificates of the requisite Classes, together with Matriculation Tickets, must be lodged with him before Friday the 7th of April.

5. The Examinations for the year 1855 will take place on the seven following days:—Monday the 9th April, Tuesday the 10th, Wednesday the 11th, Friday the 13th, Saturday the 14th, Monday the 16th, and Tuesday the 17th.

6. The Examinations will be conducted by requiring from the Candidates *written* answers to questions and translations, and, at the option of the Examiners, *viva voce* answers to questions arising out of the books or subjects prescribed. The written answers and translations are to be given in to the respective Professors at the close of each Examination.

7. For the Degree of M.A., the days of Examination are fixed as follows:—

First Day, Monday, April 9.—Latin : for the minimum qualification, from 10 to 1 ; for honours, from 2 to 4.

Second Day, Tuesday, April 10.—Greek : for the minimum, from 10 to 1 ; for the maximum, from 2 to 4.

Third Day, Wednesday, April 11.—Mathematics : for the minimum, from 10 to 1 ; for honours, from 2 to 4.

Fourth Day, Friday, April 13.—Logic and Metaphysics : for the minimum, from 10 to 1 ; for honours, from 2 to 4.

Fifth Day, Saturday, April 14.—Moral Philosophy : for the minimum, from 10 to 1 ; for honours, from 2 to 4.

Sixth Day, Monday, April 16.—Natural Philosophy : for the minimum, from 10 to 1 ; for honours, from 2 to 4.

Seventh Day, Tuesday, April 17.—Rhetoric : from 10 to 1.

8. For the Degree of B.A., the Examinations will take place at the hours above announced, on the First, Second, Third, Fourth, and Fifth Days.

9. Those Candidates who may be found entitled to the Degrees of B.A. and M.A., will be CLASSIFIED in the order of their proficiency, as ascertained by the results of the Examinations; and the List of Graduates affixed to the College Gates, suspended in the Library, and advertised in the Newspapers.

10. The following are the subjects of Examination in the different departments for 1855 :—

Latin.—Translation of English Narrative into Latin Prose; Livy, Books VIII. and IX. as given in *Eclogae Livianae*; Cicero, Speech *pro Archia*, and Book v. of Tusculan disputations; Horace's Epistles, Book I. For honours, in addition to the above, the First Book of Tusculan Disputations; the Fourteenth Satire of Juvenal; and Tacitus' Life of Agricola.

Greek.—For the *minimum*: the last Book of Strabo's Geography; and the Ninth Book of the Odyssey; History of Greek Literature (Brown, Mure, Dr Smith's Dictionary). Laws of Hexameter and Iambic verse. For the *maximum*: the First Book of Thucydides; Greek Composition.

N.B.—Besides the above, the Candidates for both grades will be required to translate some passage of an easy prose author, which they have not seen before, *ad aperturam*.

Mathematics.—The first six Books of Euclid, Elementary Algebra, and the Rudiments of Trigonometry and Conic Sections, for the *minimum*. Higher Algebra, Plane Trigonometry, Conic Sections, Analytical Geometry, and the Differential Calculus, for honours.

Logic and Metaphysics.—Besides the Lectures, Reid's works on Speculative Philosophy, *with Hamilton's Notes, and Supplementary Dissertations*, and some one competent system of Logic (those of Burgersdyk, the Port Royal, Wyttenbach, Whately, as more generally accessible, may be mentioned), for the

minimum. The Candidate may add any number of approved works in Logic and Metaphysics, ancient or modern, with a view to honours.

Rhetoric and Belles Lettres.—The Professor's Lectures, and Campbell's Philosophy of Rhetoric.

Moral Philosophy.—For the *minimum*: the Professor's Lectures, with Bishop Butler's Fifteen Discourses, his Analogy, Part I., and Chalmer's Natural Theology. For *honours*: add the ΠΟΛΙΤΕΙΑ of Plato, Books IV. VI. VII. IX. and X.

Natural Philosophy.—For the *minimum*: Snowballs's or Potter's Mechanics; and Questions on the Lectures, particularly the Elements of Astronomy, Optics, and Hydrostatics. For *honours*: Jackson's Mechanics; the direct and inverse problems of Central Force; and the theory of Optics.

It is recommended that Students, at the close of the Third Year of the regular Curriculum in Arts, should offer themselves for that part of the Examination which relates to Classical proficiency. Those who avail themselves of this recommendation, will undergo the Examination, in Mathematics and Philosophy at the close of the Fourth Year of their Studies, as usual.

Students, therefore, for whom the Session 1854-55 is the Third of the Curriculum, will be entitled to join the Classical Examination in April 1855, and also to take the Bachelor's Degree.

PHILLIP KELLAND, D.F.

University of Edinburgh, April 1854.

BURSARIES.

I. A great variety of Bursaries are under the management, and many of them in the presentation, of the Magistrates and Town Council of Edinburgh.

The Magistrates and Town Council cause to be advertised annually, in September, a list of the Bursaries to which they propose to present for the following Session.

II. The following Bursaries are in the presentation of the Principal and Professors of the University.

1. MACPHERSON'S.—These Bursaries are four in number, of the value of £20 sterling each, being the interest of £2500 4 per cent. Carnatic Stock, left by Sir John

Macpherson in 1825. They are destined for the benefit of Students, who must be natives of the Highlands, and understand the Gaelic language. One is generally given each year.

2. STEWART'S.—Three Bursaries, of £10 each, being the interest of £1000 3 per cent. Consols, left in 1810 by the Rev. James Stewart. One Bursar is appointed each year. It is required that he be in the Second Session of his Course of Languages and Philosophy; and the Bursary is held for three successive years. Candidates are examined on comparative trial; and the preference is given, in terms of the Mortification, to Students of the name of Stuart or Simpson. The appointment is generally made in November. Candidates for this Bursary must present their petitions to the Senatus on or before the third Saturday of November, and are examined on the first Monday of December by the Faculty of Arts, who report to the Senatus at the next Quarterly Meeting. The Bursars are again examined each Session, the first Monday of April, and forfeit their Bursaries if not found to have made due proficiency.

III. There are ten Bursaries of £20 each, founded by George Heriot, and in the presentation of the Governors of Heriot's Hospital.* These are enjoyed by boys otherwise unconnected with the Hospital. Each Bursary is granted for one year only; but when the Bursar is deserving, it may be renewed annually, for a period not greater in whole than four years during the regular progress of the Bursar through the *curriculum*, which qualifies for the Degree of A.M. Candidates may apply at any period of their literary studies; but the Bursary will be granted only for the remainder of their literary curriculum; and terminates whenever an education strictly professional commences. Applications are directed to be made to the Treasurer of the Hospital, before the first Monday of October. There are four vacancies to be supplied before the commencement of the Winter Session of the University 1854-5.

IV. There are other Bursaries under the Management,

* These are exclusive of the bursaries granted from the Hospital funds to the promising boys who had been educated in the Hospital.

and in the gift, of Public Bodies: among which may be noticed—

CHRISTIE'S—Mortified by Adam Christie in 1698, and in the gift of the Faculty of Advocates. It is held for four years, and amounts to £18 per annum.

V. There are other Bursaries under the management, and in the presentation, of private individuals: among these are—

1. GRANT'S Bursaries of £100 to each of two bursars, from the rent of the lands of Ferneyside, in the parish of Liberton, purchased with the sum of £5998, left in 1817 by Dr Donald Grant. The patrons of these bursaries named in the deed were, Sir James Grant of Grant, Alexander Anstruther, Esq., Advocate-General of Madras, Henry Mackenzie, Esq., Edinburgh, or their legal representatives; whom failing, the Principal and Professors of the University of Edinburgh. Each bursary is held for four years; and the bursars are each required by the patrons to attend Three Classes in this University, during each Winter Session, while they enjoy the bursary; and certificates that such attendance has been given are required before the bursaries are paid.

2. SHORT'S Bursary, in the gift of the Earl of Morton, amounting to £11, 8s.; the proceeds of a sum of £275, 3s. 4d., left in 1778 by Mr Thomas Short; and destined for three or four years to a student attending the Mathematical Classes.

3. JAMESON BURSARY.—JOHN JAMESON, Esquire, previous to his death, deposited in the hands of Professor Menzies the Sum of £600, for the purpose of founding a bursary in the University of Edinburgh for the benefit of the sons of schoolmasters, farmers, mechanics, labourers, and others, born and residing in the parishes of Crawford, Crawfordjohn, Lamington and Wandell, Walston and Robertson, Culter and Biggar, and whose income from all sources does not exceed £100 per annum. The competitors for this bursary, on whom no restriction is laid with respect to their religious persuasion or intended profession, are to undergo an Examination in Latin, Greek, and Arithmetic; and the one found best qualified is to have a right to it for four years, upon engaging to attend the University during four successive winters.

COURSE OF STUDY REQUIRED OF STUDENTS
INTENDING TO BE WRITERS TO THE SIGNET.

*Regulations regarding Applicants for Indenture, adopted
by the Society of Writers to the Signet in 1851.*

I. That the age for entering into Indenture shall not be under seventeen.

II. That Applicants for Indenture, who are not within the exceptions contained in Regulation III., shall, previous to entering into indenture, have attended two full Winter Courses at one or other of the Universities in Scotland; *or* shall have given such attendance at one or other of the Universities or Colleges of England or Ireland, as shall appear to the Keeper and Commissioners of the Signet to be equivalent to the attendance required at the Scotch Universities; the Humanity, for one Session, in the case of attendance at a Scotch University, being one of the Classes of the above Courses; and that the other Classes shall be exclusive of those of Physic, Surgery, Divinity, and Law.

III. That Applicants for Indenture may either have attended two Winter Courses at a University, in terms of the preceding Regulation, *or* they may produce evidence of having attended a full course of instruction, at the High School of Edinburgh or the Edinburgh Academy; and, in addition to such evidence, a satisfactory Certificate of having attended one full Winter Course at one or more Classes, exclusive of Physic, Surgery, Divinity, and Law, at one or other of the Universities of Scotland; it being distinctly understood, that by a *full Course* at either of the above-named Institutions, attendance during the full curriculum of study required at either is meant.

IV. That in the case of Applicants for Indenture not falling within the preceding Regulations, the Keeper and Commissioners of the Signet, on being satisfied that the Applicant has received a liberal education, equivalent to what is required from other Applicants under the preceding Regulations, shall have power to direct an Examination in writing as to his qualifications and acquirements; and on receiving a Report from the Examiners to be appointed by them, in manner after mentioned, and being satisfied therewith, shall also have power to allow

such Applicant to enter into Indenture in the usual form.

V. That the endurance of the service under indenture or certificate shall be for a term of five years.

VI. The fees payable on entering into indenture are as follows :—

| | | | |
|-----------------------------------|-------|----|---|
| To the Library and Society Funds, | £131 | 3 | 6 |
| To the Widows' Fund, - - - | 50 | 1 | 6 |
| Apprentice Fee, - - - - | 150 | 0 | 0 |
| Stamp for Indenture, - - - | 60 | 0 | 2 |
| Fees payable at Signet Office, - | 2 | 15 | 0 |
| | <hr/> | | |
| | £394 | 0 | 2 |
| | <hr/> | | |

INTRANTS.

On the expiration of the term of apprenticeship, the indenture must be discharged by the master, and the discharge recorded at the Signet Office within three months thereafter. Immediately on the discharge being recorded, application may be made, by petition to the Keeper and Commissioners, to have the applicant taken upon his private trials.

Previous to making such application, every candidate shall produce certificates of his having attended Four Courses of the Law Classes, viz., one of Civil Law, one of Scots Law, and one of Conveyancing; together with a certificate of his having attended a Second Course of any one of them.

At the expiration of three months after the private trials, the applicant may be taken upon his public trials. The public trials must take place during the sitting of the Court.

Fee on passing Private Trial.

| | | | |
|---------------------------------|-----|---|---|
| Treasurer of the Society, - - - | £60 | 1 | 6 |
|---------------------------------|-----|---|---|

Fees on passing Public Trial.

| | | | |
|--|-------|----|---|
| Stamp for Commission, - - - | 25 | 0 | 2 |
| Fees payable at the Signet Office, and ac- | | | |
| counted for to Exchequer, - - - | 51 | 18 | 6 |
| Macers' Fees, - - - - - | 3 | 5 | 6 |
| | <hr/> | | |
| | £140 | 5 | 8 |
| | <hr/> | | |

The forms of Petition may be had at the Signet Office.

The Examination shall embrace the following subjects, viz :—

1. English Literature, including Grammar and Composition.
2. Geography and History.
3. Latin.
4. Greek.
5. Arithmetic.
6. Mathematics.

For the information of Applicants, and as an Interim Scheme of Examination, the following outline has been agreed on for the present, viz :—

1. *English Literature, including grammar and composition* :—The derivative sources of the English Language ;—the great eras of its literature from the Reformation downwards ;—a knowledge of its grammar, to be tested by a critical analysis of a passage.
2. *Geography and History* :—The former will include a general view of the surface of the globe, regarded topographically, physically, and commercially ; and a detailed knowledge of the British Empire.

The latter will comprise the great Empires and Governments of antiquity, with the circumstances of their rise and fall ;—Outline of Sacred History ;—Revival of Learning ;—the greater European Wars and Revolutions ;—Origin and Progress of the Feudal System ;—(*Whyte's or Tytler's Elements of History ; Robertson's Introduction to the History of Charles the Fifth*) ;—Detailed History of the British Empire, more especially of events affecting its constitution.

3. *Latin* :—Mair's Introduction, or any similar work on the syntax of the language ;—translation, with grammatical analysis from any of the ordinary school or college class-books.
4. *Greek* :—Translation, with grammatical analysis, from the first book of the Anabasis, and one of the Gospels ;—any other book or books may be professed instead of these. In the case of any

Candidate not professing Greek, the Commissioners will be ready to consider his application to be examined in any modern language in lieu thereof.

5. *Arithmetic* :—The whole Subject.

6. *Mathematics* :—First four and the sixth books of Euclid. A competent profession in Practical Mathematics may be accepted for the sixth and also for the fourth.

Algebra to Quadratic Equations.

COURSE OF STUDY REQUIRED OF STUDENTS BEFORE THEY ARE ENROLLED AS STUDENTS OF DIVINITY.

“Act and Declaration of the General Assembly as to the course of Literary and Philosophical Study to be attended by such as intend to become Students of Divinity in the Universities of Scotland.

“At Edinburgh, 2d June 1845.

“The General Assembly of the Church of Scotland, considering that it has been represented that Students applying for enrolment at the Divinity Hall have sometimes been found to have passed irregularly through the preliminary course of Literary and Philosophical Study, did, and hereby do, declare that the certificates produced to Professors of Divinity ought to afford evidence of regular attendance in some University or Universities, at all the classes required of such as apply for the degree of Master of Arts, viz., Greek, Humanity, Logic, Mathematics, Moral and Natural Philosophy, which must have been attended in such order that, after Greek and Latin being attended during the first session, the Classes of Logic, Moral and Natural Philosophy, must have been attended separately during three successive sessions, and that Mathematics shall have been studied in a University, at least during one session, before entering the class of Natural Philosophy. The General Assembly require this declaration to be read by every Professor of Divinity, and by the Professors of the different branches of Literary and Philosophical study, as being applicable to all who in time coming are to enter on a course of Philosophical study, with a view to their preparation for the office of the Ministry in this National Church.”

UNIVERSITY OF GLASGOW.

Principal—DUNCAN MACFARLAN, D.D.*Clerk of Senate*—THOMAS ANDERSON, M.D.

FACULTY OF MEDICINE.

SESSION 1854-55, commencing Wednesday, Nov. 1st,
1854.

Surgery : Dr Lawrie—at nine A.M.

Practice of Physic : Dr John Macfarlane—at ten.

Chemistry, Practical Chemistry, and Analytical Chemistry : Dr T. Anderson—at ten, twelve, and from half-past nine till half-past four.

Anatomy, Anatomical Demonstrations, and Practical Anatomy : Dr Allen Thomson and Dr William Aitken—at one, eleven, and from ten till four.

Botany : Dr Walker Arnott—at seven P.M. (from May 7th.)

Medical Jurisprudence : Dr Rainey—at one.

Materia Medica : Dr John Couper—at four.

Midwifery : Dr Pagan—at five.

Institutes of Medicine : Dr Buchanan—at seven.

Eye (Waltonian Lectures) : Dr Mackenzie—at six.

Royal Infirmary—visit at two.

Clinical Lectures—at three.

Fees for each class, £3, 3s., with the following exceptions:—Practical Anatomy, six months (when taken along with Lectures on Anatomy), Practical Chemistry, three months, and Lectures on the Eye, each £2, 2s.; Analytical Chemistry, £4, 4s. for three months, including apparatus and re-agents.

ROYAL INFIRMARY.—Hour of visit by the Physicians and Surgeons, two o'clock. Hour of the Clinical lectures, three o'clock. Fee for two years and perpetual, £8, 8s.; for one year, £5, 5s. A deduction is made to those who have previously attended an hospital for eighteen months, and to those who hold a diploma.

ENROLMENT.—By the regulations of the Senate, every student must, at the beginning of the session, enrol his name at the library before entering into any class. Library fee for the winter session, 7s.; for the summer session, 3s. 6d.

MATRICULATION.—The matriculation of public students takes place on the 14th of November. Those only who

are matriculated are members of comitia, or university meetings, and can vote at the election of Lord Rector, which takes place on the 15th of November.

DEGREES IN MEDICINE AND SURGERY.—The curriculum for the degree of Doctor of Medicine comprehends attendance during four winter sessions on the medical classes afterwards mentioned, at this or some other university, or at one of the schools of London or Dublin. One of these winter sessions must be at the University of Glasgow. The courses of instruction required are the following—viz.: Anatomy, Practical Anatomy, Chemistry, Institutes of Medicine, Materia Medica, Practice of Surgery, Practice of Medicine, Midwifery, each of six months' duration; Forensic Medicine, Botany, Practical Chemistry, each of three months' duration. Attendance on a general hospital, in which clinical instruction is given, two years.

The candidates, who must not be under twenty-one years of age, are required to lodge their certificates of age, character, and qualifications, and their Inaugural Essays, with the clerk of Senate on or before the 1st of March or the 10th of June for the two terms respectively.

The qualifications for the degree of Master in Surgery are the same as those for M.D.

The degrees are conferred at two periods of each year—viz., on the last Wednesday of April, and the first Wednesday of August. The examinations commence in the last week of March and June for the two terms respectively.

The fee for the degree of M.D. (including the government stamp of £10) is £25, 3s. The fee for the degree of C.M. is £10, 10s.

The Brisbane and Walton Bursaries may be held by students of Medicine attending the University of Glasgow: and the Hutchinson's, by a student in any Faculty.

ANDERSONIAN UNIVERSITY, GLASGOW.

The MEDICAL SESSION commences on Tuesday, the 7th of November 1854.

Anatomy, Descriptive: Dr M. S. Buchanan, and Dr George Buchanan—at five.

Anatomical Demonstrations: Ditto—at one.

Prætical Anatomy : Ditto—daily.

Chemistry, and Practical Chemistry : Dr F. Penny—at ten and eleven. Laboratory Manipulation—daily.

Surgery : Dr R. Hunter—at nine.

Institutes of Medicine : Dr E. Watson—at ten.

Midwifery : Dr Paterson—at eleven.

Medicine : Dr Andrew Anderson—at twelve.

Materia Medica : Dr Easton—at four.

Medical Jurisprudence : Dr Crawford—at six.

Natural Philosophy : Dr Taylor—at eleven A.M.

Mathematics : Mr Laing—at two or six.

Botany : Dr Bell—in summer.

Royal Infirmary visit—at two.

Clinical Lectures—at three.

All the classes (except Practical Chemistry and Botany) meet for six months. Fees for each class, £2, 2s. ; perpetual, £3, 3s. Royal Infirmary, perpetual, with Clinical Lectures, £8, 8s. Eye Infirmary, £2, 2s. for six months. Lying-in Hospital, 10s. 6d. for six months. Dressers to the surgical wards of the Infirmary are appointed from the students attending.

SUMMER SESSION, during May, June, and July :—

Midwifery : Dr Paterson—at ten.

Practical Chemistry : Dr Penny—at twelve.

Anatomy, Demonstrative and Surgical : Dr M. S. Buchanan, and Dr George Buchanan—at one.

Botany : Dr Joseph Bell—at eight A.M.

Fee for each class, £2, 2s. ; aggregate fee for all the classes and hospital practice required by the College and Hall, £40.

Certificates of attendance on the above courses are received by all the licensing bodies in England and Ireland, by the Universities of Aberdeen and St Andrews, by the Royal College of Surgeons, Edinburgh, and by the Faculty of Physicians and Surgeons of Glasgow.

FACULTY OF PHYSICIANS AND SURGEONS, GLASGOW.

PRELIMINARY INSTRUCTION.—Every candidate for the diploma of this Faculty must produce evidence of his having attained the age of twenty-one years. He must, either previously to or during his medical education, have:

received regular instruction in Latin and Mathematics; and must have subsequently attended a course of Natural Philosophy of at least three months' duration.

PROFESSIONAL INSTRUCTION.—The candidate must have been engaged in attending the following separate and distinct courses of lectures during a period of not less than twenty-seven months, in which must have been included three winter sessions of six months' duration each:—

Anatomy, Praetical Anatomy, and Surgery, of each two courses of six months (or Surgery and Military Surgery, one course of six months each); Chemistry, one course of six months; Practical Chemistry, one course of three months; Institutes of Medicine, Practice of Medicine, Materia Medica, Midwifery and Diseases of Women and Children, and Medical Jurisprudence, one course of six months each; Clinical Medicine and Clinical Surgery, two courses of three months each; Botany, one course of three months; General Hospital, with at least eighty beds, twenty-one months; Practical Pharmacy, six months.

The Faculty *recommend* the following—viz.:—

Lectures on the Eye, and Hospital for Eye Diseases. (A three months' course of lectures on the Eye, with six months' attendance on an Eye Hospital containing at least twelve beds for operation-cases, will be considered equivalent to three months of a General Hospital.) Lying-in Hospital. Hospital for Syphilitic Diseases. Pathological Anatomy. Natural History and Comparative Anatomy. Greek, French, German, and Italian.

Each candidate shall be examined, partly orally and partly by written question and answer, without the use of books. He shall translate Latin, write prescriptions, and be examined in preparations.

The Committee of Examiners being satisfied with these trials, the candidate shall be entitled to his diploma, on taking and subscribing the declaration authorized by law, in place of extra-judicial oaths.

The unsuccessful candidates shall be remitted to their studies for a period of not less than three months after a first rejection, and six months after a second, and their names shall be concealed. The whole of the deposited

fee shall be returned to an unsuccessful candidate on his first rejection; but on every future similar occasion, whether the examination may have been before the Faculty, or any other licensing board, or when the candidate, prior to application for a surgical licence, may have been five years in practice, two guineas shall be retained.

The Faculty register is open during the month of November, for the signature of those students who wish to obtain the diploma, and the classes attended by each during the current session.

An examination in Latin will be held on the second and following Saturdays in December.

The regulation examination days are the first and third Tuesdays in each month.

The fee for the diploma is £10.

ROYAL INFIRMARY, GLASGOW.

Physicians—Dr EASTON, Dr BELL, Dr M'GREGOR, Dr WEIR.

Surgeons—Dr HUNTER, Dr FLEMING, Mr W. LYON, Dr CORBETT.

The Clinical lectures on the medical cases will be delivered by Dr Easton and Dr Bell.

The Surgical Clinical lectures will be delivered by Dr Hunter and Dr Fleming.

Perpetual fee for attendance on the medical and surgical practice, and on all the lectures, £8, 8s.

EYE INFIRMARY, GLASGOW.

Surgeons—Dr WM. MACKENZIE, Dr ANDREW ANDERSON.

Assistant-Surgeon—Dr WM. BROWN.

Consulting Surgeon—Dr HARRY RAINY.

Hour of visit and operation, one P.M.

Fee for six months, £2, 2s.

UNIVERSITY AND KING'S COLLEGE, ABERDEEN.

Regulations to be observed in granting Degrees in Medicine.

1. Candidates for the degree of M.D. must be of the age of Twenty-one years complete, previous to examination.

2. Candidates must produce satisfactory certificates of moral character, and of having studied the classics and mathematics at a University, or at an academy of acknowledged reputation.

3. All candidates, with the exceptions mentioned below, must have been engaged in the study of Medicine for at least four years—one of which must be passed at King's College, Aberdeen—and must produce evidence of having attended, in some recognised school of medicine:—

Six Months' Courses: Anatomy, two courses; Chemistry, one course; Materia Medica, one course; Surgery, one course; Institutes of Medicine and Physiology, one course; Practice of Medicine, one course; Midwifery, one course.

Three Months' Courses: Dissections, two courses; Practical Chemistry, one course; Medical Jurisprudence, one course; Clinical Surgery, one course; Botany, one course; Clinical Medicine, two courses.

In addition to the above, every candidate must have attended for two years the wards of an hospital containing 100 beds; and during three months, a shop or dispensary for the compounding of medicines.

Previous to commencing the medical examination, candidates not having the degree of A.M. will be required to translate a passage from Celsus.

4. The preceding regulations will be strictly enforced in the case of all students who commenced their medical studies at a period subsequent to the 1st of October 1840. But practitioners who possess a licence or diploma from any of the Royal Colleges of Physicians or Surgeons, or from the Apothecaries' Company, and who have been engaged for at least five years in the practice of Medicine, will be admitted to examination on producing their licence or diploma, along with satisfactory evidence of good moral character, and of having studied the classics at a university, or at an academy of acknowledged reputation.

5. Practitioners who commenced their medical studies before October 1840, and who have not been in practice for five years, will be admitted to examination under the conditions prescribed in section 3 and in section 4, with

the exception of a year's residence at King's College. Fees, £26, 5s. 6d.

N.B. "The University and King's College is the only institution in Aberdeen which has a legal power of granting degrees in Medicine. All medical diplomas purporting to be from the University of Aberdeen, and not signed by the principal and professors of King's College, are illegal and void."—*Extract from Official Prospectus of King's College.*

MARISCHAL COLLEGE AND UNIVERSITY, ABERDEEN.

Regulations for granting Medical Degrees.

Curriculum.—Four years of attendance on medical classes, of which two years may be passed at a recognised medical school; but two in a university, and one at least in this University. The attendance in each year must embrace not fewer than two medical classes of six months each; or one of six months, with two of three months each. The attendance must include the following classes, each for a course of six months:—Anatomy, Practical Anatomy, Chemistry, Materia Medica, Institutes of Medicine, Practice of Medicine, Surgery, Midwifery; and the following classes, each for a course of three months:—Botany, Practical Chemistry, Medical Jurisprudence.

Every candidate must produce a certificate that he has dissected all the parts of the human body.

Eighteen months of attendance on the medical and surgical practice of an hospital containing not fewer than eighty beds, along with attendance for six months on lectures on Clinical Medicine, and for three months on lectures on Clinical Surgery.

Six months of compounding and dispensing medicines in the laboratory of an hospital, or of a public dispensary, or of a licensed general practitioner, or of a regular dispensing druggist.

Examinations.—Examination terms in each year commence on the second Tuesday of April, and the third Tuesday of October.

Every candidate who is not a Master of Arts, nor possessed of a diploma or a licence in Medicine or in Sur-

gery from any authority established by law within the United Kingdom, shall undergo a preliminary examination on the Latin language (the book to be used being Celsus de Medicina); on the Etymology of such Terms in the Medical Sciences as are derived from the Latin and the Greek; and on the Elements of Mental Science (the book to be used being Abercrombie on the Intellectual Powers).

Every candidate shall undergo two separate professional examinations. First examination: Anatomy, Physiology, Botany, Chemistry, Materia Medica. Second examination: Medical Jurisprudence, Midwifery, Surgery, Practice of Medicine.

Physiology will comprehend the Doctrines of Physic, illustrative of Animal Structure and Function.

No longer interval than two years will be allowed to intervene between the two examinations.

Cases in which Medical Practitioners may be admitted, without residence, to Examination for Medical Degrees.—Practitioners may be admitted, without residence, to examination for the degree of M.B. who have held a diploma or a licence in Medicine or in Surgery for at least five years, and who produce satisfactory evidence of good moral character, and of having been engaged in practice during that period.

Practitioners may be admitted, without residence, to examination for the degree of M.D. who have held a diploma or a licence in Medicine or in Surgery for at least ten years, &c.

Practitioners who have held, for at least three years, the degree of M.B., obtained without residence, may receive the degree of M.D. upon producing satisfactory evidence of good moral character, and of having been engaged in practice during their possession of the inferior degree.

Conferring of Degrees.—The degree of Bachelor of Medicine may be conferred on any candidate who has passed the prescribed examinations. Fee, £16, 5s.

The degree of Doctor of Medicine may be conferred on any candidate, after passing the prescribed examinations, who is twenty-two years of age, or on any candidate who has been at least twelve months a Bachelor of

Medicine of this University, after residing therein. Fee £26, 5s.

Graduates who have attended the several medical classes in this University will be charged no graduation fees.

The various courses delivered in this University qualify for examination here, and at the Universities of London, Dublin, Oxford, Cambridge, Glasgow, and St Andrews; the Royal Colleges of Surgeons of England, Edinburgh, and Ireland; the Apothecaries' Hall, London; and the Medical Boards of the Army and Navy, and Hon. East India Company.

UNIVERSITY OF ST ANDREWS.

Regulations for the Degree of Doctor of Medicine.

I. Every candidate for a diploma in Medicine, upon presenting himself for examination, shall produce satisfactory evidence—

1. Of unexceptionable moral character.
2. Of having had a liberal and classical education.
3. Of having completed the twenty-first year of his age.

II. Fellows, Members, and Licentiates of the Royal Colleges of Surgeons of England, Edinburgh, and Dublin; of the Royal College of Physicians of London; of the Faculty of Physicians and Surgeons of Glasgow; and of the London Apothecaries' Company, are eligible as candidates for the degree of Doctor of Medicine on producing their diploma or licence.

III. Candidates not holding any of the qualifications enumerated in the above clause, must produce satisfactory proof that they have regularly attended lectures delivered by professors in some university, or by Fellows of the Royal Colleges of Physicians or Surgeons of London, Edinburgh, or Dublin, for four complete winter sessions, or for three winter and three summer sessions, on the following branches:—Anatomy, two courses of six months each; Practical Anatomy or Dissections, twelve months; Physiology, one course of six months; Chemistry, one course of six months; Practical Chemistry, one course of three months; Materia Medica and Pharmacy, one course of three months; Midwifery and Diseases of

Women and Children, one course of three months; Surgery, one course of six months; Clinical Surgery, one course of six months; Practice of Medicine, one course of six months; Clinical Medicine, one course of six months;—and that they have diligently attended for at least two entire years the medical practice in some public hospital in Great Britain or Ireland, containing not less than one hundred beds, and having a regular establishment of physicians, as well as surgeons.

Regulations respecting the Examinations.

Examiners for Degrees in Medicine—Dr GEORGE E. DAY, Mr ARTHUR CONNELL, and Dr WILLIAM PIPER.
Assistant Examiner—Dr ANDREW ANDERSON.

The examinations take place twice in the year, commencing on the first Wednesday in May, and the third Wednesday in October. The graduation fee is twenty-five guineas. In the event of a candidate being found unqualified, he shall forfeit five pounds of the graduation fee, which, however, will be accounted for to him when he passes his examination at a subsequent trial.

Candidates can only be admitted to examination at other periods by a special grace of the *Senatus Academicus*. The graduation fee in this case is fifty guineas.

The examination extends over two days, and is conducted partly in writing and partly orally.

On the first day, candidates are required to give a written translation of a passage from a Latin medical author, and are examined in the Elements of Chemistry, in *Materia Medica*, and in Anatomy and Physiology.

On the second day, they are examined in Pathology and the Practice of Medicine, in the Principles of Surgery, and in Midwifery.

The degree is conferred on the following morning by the Rector in the hall of the public library of the University, and the diplomas are signed by the Principals and Professors of the University.

Every candidate is required to present himself for registration to the Secretary on or before the day preceding the examination, and to communicate by letter with the Professor of Medicine, at least a fortnight previously, stating what diploma or certificates he intends to produce.

UNIVERSITY OF LONDON,
MARLBOROUGH HOUSE.

Examinations for the Degree of Bachelor of Medicine.

Candidates for the degree of Bachelor of Medicine are required—

1. To have been engaged during four years in their professional studies at one or more of the institutions or schools recognised by this University.

2. To have spent one year, at least, of the four in one or more of the recognised institutions or schools in the United Kingdom.

3. To pass two examinations.

First Examination.

The first examination commences on the first Monday in August. The candidate is required to produce certificates—

1. Of having completed his nineteenth year.

2. Of having taken a degree in Arts in this University, or in a university the degrees granted by which are recognised by the Senate; or of having passed the matriculation examination.

3. Of having been a student during two years at a medical school recognised by this University, subsequently to having taken a degree in Arts or passed the matriculation examination.

4. Of having attended a course of lectures on each of four of the subjects in the following list:—Descriptive and Surgical Anatomy, General Anatomy and Physiology, Comparative Anatomy, Pathological Anatomy, Chemistry, Botany, Materia Medica and Pharmacy, General Pathology, General Therapeutics, Forensic Medicine, Hygiene, Midwifery and Diseases peculiar to Women and Infants, Surgery, Medicine.

5. Of having dissected during nine months.

6. Of having attended a comprehensive course of Practical Chemistry.

7. Of having attended to Practical Pharmacy sufficiently to acquire a practical knowledge in the preparation of medicines.

The fee for examination is five pounds.

Candidates are examined in Anatomy, Physiology,

Chemistry, Botany (a syllabus of which may be had by application at the office of the University), and Materia Medica and Pharmacy; they are also required to translate passages from the Latin Pharmacopœia. In the week next following the examination, the examiners arrange in two divisions such of the candidates as shall have passed; and a certificate, signed by the registrar, is delivered to each candidate.

Second Examination.

The second examination commences on the first Monday in November. No candidate is admitted to this examination within two acaademic years of the first examination. Certificates required—

1. Of having passed the first examination.
2. Of having subsequently attended a course of lectures on each of two of the subjects in the foregoing list, and for which the candidate did not present certificates at the first examination.
3. Of having, since the first examination, dissected during six months.
4. Of having conducted, at least, six labours.
5. Of having attended the surgical practice of a recognised hospital or hospitals during twelve months, and lectures on clinical surgery.
6. Of having attended the medical practice of a recognised hospital or hospitals during other twelve months, and lectures on clinical medicine.
7. Of having subsequently attended to practical medicine in a recognised hospital, infirmary, or dispensary, during six months.
8. Of moral character from a teacher in the last school or institution at which he studied.

The fee for examination is five pounds.

Candidates are examined in Physiology (including Comparative Anatomy); General Pathology, General Therapeutics, and Hygiene; Surgery; Medicine; Midwifery; Forensic Medicine; they are also required to translate passages of the Latin Pharmacopœia into English, and of the English Pharmacopœia into Latin, and to report on the cases of actual patients. In the following week the examiners arrange in two divisions such of the candidates as shall have passed; and a certificate,

under the seal of the University, and signed by the Chancellor, is delivered to each candidate.

Examination for the Degree of Doctor of Medicine.

The examination commences on the fourth Monday in November. Certificates required :—

1. Of having taken the degree of Bachelor of Medicine in this University, or a degree in medicine or in surgery at an University the degrees granted by which are recognised by the senate. (Those candidates who have not taken the degree in this University must produce a certificate of having completed their twenty-third year.)

2. Of having attended, subsequently to having taken one of the above degrees, (*a*) to clinical or practical medicine during two years in a medical institution recognised by this University; (*b*) or, to clinical or practical medicine during one year, and of having been engaged during three years in the practice of his profession; (*c*) or, if he have taken the degree of Bachelor of Medicine in this University, of having been engaged during five years in the practice of his profession. (One year of attendance on clinical or practical medicine, or two years of practice, will be dispensed with in the case of those candidates who at the second examination were placed in the first division.)

3. Of moral character, signed by two persons of respectability. The fee for examination is £10.

Candidates are examined in the following subjects:— Elements of Intellectual Philosophy, Logic, and Moral Philosophy; Medicine. A Commentary on a Case in Medicine, Surgery, or Midwifery, at the option of the candidate. *Viva voce* interrogations on the answers to the printed papers, and on the Commentary. The candidate is also required to report on cases of actual patients. In the following week the examiners arrange in two divisions, each in alphabetical order, such of the candidates as shall have passed; and a certificate, under the seal of the University, and signed by the Chancellor, is delivered to each candidate.

Regulations relating to Students who commenced their Medical Studies in or before January 1839.

DEGREE OF BACHELOR OF MEDICINE.—Candidates who

commenced their professional studies in or before January 1839, being then not less than fourteen years of age, will be admitted to the first examination for the degree of Bachelor of Medicine, on producing certificates:—

1. Of having been engaged during two years in their professional studies.

2. Of having attended a course of lectures on each of four of the subjects comprehended in the foregoing list.

3. Of having dissected during nine months.

4. Of having attended to Practical Pharmacy.

They will be admitted to the second examination on producing certificates:—

1. Of having been engaged during four years in their professional studies.

2. Of having passed the first examination.

3. Of having attended a course of lectures on each of two of the subjects in the foregoing list, in addition to those for which certificates were produced at the first examination.

4. Of having dissected during twelve months.

5. Of having attended to Practical Pharmacy.

6. Of having conducted at least six labours.

7. Of having attended the Surgical practice of a recognised hospital or hospitals during twelve months.

8. Of having attended the Medical practice of a recognised hospital or hospitals during other twelve months.

9. Of having completed their twenty-second year.

10. Of moral character, from a teacher in the last school or institution at which they studied. Candidates who have not taken a degree in Arts, or passed the matriculation examination, translate a portion of *CELUS de Re Medica*,

Regulations relating to Practitioners in Medicine or Surgery desirous of obtaining Degrees in Medicine.

DEGREE OF BACHELOR OF MEDICINE.—Candidates admitted to the two examinations on producing certificates:—

1. Of having been admitted, prior to 1840, members of one of the legally-constituted bodies in the United Kingdom for licensing practitioners in Medicine or Surgery; or of having served, previously to 1840, as Surgeons or Assistant-Surgeons in her Majesty's Army,

Ordnance, or Navy, or in the service of the East India Company.

2. Of having received a part of their education at a recognised institution or school, as required by the charter of the University.

3. Of moral character, signed by two persons of respectability. Candidates who have not taken a degree in Arts, or passed the matriculation examination, translate a portion of *CELSUS de Re Medica*.

DEGREE OF DOCTOR OF MEDICINE.—Candidates are admitted to examination on producing certificates :—

1. Of having been engaged during five years in the practice of their profession.

2. Of having taken the degree of Bachelor of Medicine. Candidates who have not taken a degree in Arts, or passed the matriculation examination, translate a portion of *CELSUS de Re Medica*.

In the case of a candidate who fails to pass any one of the examinations, the fee is not returned to him ; but he may present himself at a subsequent examination, without any additional fee. Certificates must be sent in at least fourteen days before the commencement of the examination to which they relate.

N.B.—By a recent Act of Parliament, medical graduates of this University possess the same privileges in regard to the practice of their profession as the graduates of Oxford and Cambridge.

ROYAL COLLEGE OF SURGEONS OF ENGLAND.

LINCOLN'S INN FIELDS.

*Regulations relating to Candidates for the diploma of
Member of the College.*

I. Candidates are required to produce the following Certificates, viz. :—

1. Of being twenty-one years of age.

2. Of having been engaged during four years in the acquirement of professional knowledge.

3. Of having studied Practical Pharmacy during six months.

4. Of having studied Anatomy and Physiology, by attendance on Lectures and Demonstrations, and by Dissections, during three Winter Sessions.

5. Of having attended, during two Winter Sessions, Lectures on the Principles and Practice of Surgery.

6. Of having attended, during one Summer Session, Lectures on Materia Medica, and Lectures on Midwifery; Practical Midwifery to be attended at any time after the conclusion of the Session.

7. Of having attended one Course of Lectures on the Practice of Physic and one Course on Chemistry.

8. Of having attended at a recognised Hospital or Hospitals in the United Kingdom the Practice of Physic during one Winter* and one Summer† Session.

9. Of having attended, during three Winter and two Summer Sessions the Practice of Surgery at a recognised Hospital or Hospitals in the United Kingdom.

The certificates of attendance on the Medical Practice of a Hospital, commencing on or after the 1st of October 1854, must be accompanied by Certificates of attendance on Clinical Lectures on Medicine during such attendance:—and the Certificates of attendance, by such candidates, on the Surgical Practice of a Hospital, commencing on or after the said 1st of October 1854, must be accompanied by Certificates of attendance on Clinical Lectures on Surgery during such attendance.

Such Courses of Clinical Lectures shall, in England and in the Colonies, consist of not less than one Lecture on Medicine and one Lecture on Surgery in each week during the Summer and Winter Sessions; and in Scotland and Ireland shall consist of such number of Lectures as may be respectively required by the Royal Colleges of Surgeons of Edinburgh and Ireland.

These Lectures shall be additional to Clinical Instruction given in the Wards, and shall have especial reference to cases at the time, or previously under observation in the Hospital.

* The Winter Session comprises a period of six months; and in England commences on the 1st of October, and terminates on the 31st of March.

† The Summer Session comprises a period of three months; and in England commences on the 1st of May, and terminates on the 31st of July.

No Provincial Hospital will be recognised by this College which contains less than 100 Patients; and no Metropolitan Hospital which contains less than 150 Patients.

The Course of Study hereby prescribed is required to be observed by Candidates who shall have pursued their studies in Hospitals and Schools in England. Those Candidates who shall have studied in Scotland are required to bring Certificates of having attended Lectures on the Institutes of Medicine during one Winter Session, and on Anatomy during two other Winter Sessions, and on Demonstrations and Dissections during three Winter Sessions (the foregoing regulations being in all other respects observed). Candidates who shall have attended Lectures on *Materia Medica* in the University of Dublin will be allowed to bring Certificates of such attendance during the Winter Session.

II. Members or Licentiates of any legally constituted College of Surgeons in the United Kingdom, and Graduates in Surgery of any University requiring residence to obtain degrees, will be admitted for examination on producing their diploma, licence, or degree, together with proof of being twenty-one years of age, and of having been occupied at least four years in the acquirement of professional knowledge.

III. Graduates in Medicine of any legally constituted College or University requiring residence to obtain degrees, will be admitted for examination on adducing, together with their diploma or degree, proof of having completed the anatomical and surgical education required by the foregoing Regulations, either at the School and Hospital of the University where they shall have graduated, or at one or more of the recognised Schools and Hospitals in the United Kingdom.

IV. Candidates who shall have attended at recognised Colonial Hospitals and Schools,* the medical and surgical practice and the several Courses of Lectures, with the Demonstrations and Dissections required by the foregoing Regulations, will be admitted for examination upon producing Certificates of such attendance, together with Certificates of having attended in London, during

* The recognition of Colonial Hospitals and Schools is governed by the same Regulations with respect to number of Patients, to Courses of Lectures, and to Physicians, Surgeons, and Lecturers, as apply to the recognition of provincial Hospitals and Schools in England.

one Winter Session, the surgical practice of a recognised Hospital, and Lectures on Anatomy, Physiology, and Surgery, with Demonstrations and Dissections.

V. Certificates will not be recognised from any Hospital unless the Surgeons thereto be members of one of the legally constituted Colleges of Surgeons in the United Kingdom; nor from any School of Anatomy and Physiology or Midwifery, unless the teachers in such School be members of some legally constituted College of Physicians or Surgeons in the United Kingdom; nor from any School of Surgery, unless the teachers in such School be members of one of the legally constituted Colleges of Surgeons in the United Kingdom.

VI. Certificates will not be received on more than one branch of science from one and the same Lecturer; but Anatomy and Physiology—Demonstrations and Dissections—will be respectively considered as one branch of science, and in those Schools in Scotland or Ireland in which such division of those subjects is sanctioned by the College of Surgeons in each Kingdom, the Institutes of Medicine—Anatomy, Demonstrations and Dissections—may be separately certified.

VII. Certificates will not be received from Candidates who have studied in London, unless they shall have registered their Tickets at the College, as required by the Regulations, during the last ten days of January, March, and October, in each year; nor from Candidates who have studied elsewhere, unless their names shall duly appear in the registers transmitted during such studies from their respective Schools.

N.B.—In the Certificates of attendance on Hospital Practice and on Lectures, it is required that the dates of commencement and termination be clearly expressed; and no interlineation, erasure, or alteration will be allowed.

Blank forms of the required Certificates may be obtained on application to the Secretary, to whom they must be delivered, properly filled up, ten days before the Candidate can be admitted to examination; and all such Certificates are retained at the College.

Schools in Scotland recognised.

EDINBURGH; University.

PROVINCIAL—University, Glasgow. King's College, Aberdeen; Marischal College and University, Aberdeen.

The several Schools recognised by the Royal College of Surgeons of Edinburgh.

THE SOCIETY OF APOTHECARIES.

BLACKFRIARS.

Regulations to be observed by Students intending to qualify themselves to practise as Apothecaries in England and Wales. (Dated 1854.)

Every Candidate for a Certificate of qualification to practise as an Apothecary, will be required to produce Testimonials:—

1. Of having served an apprenticeship of not less than five years to an Apothecary. No gentleman practising as an Apothecary in *England or Wales* can give his apprentice a legal title to examination, unless he is himself legally qualified to practise as an Apothecary, either by having been in practice prior to or on the 1st of August 1815, or by having received a certificate of his qualification from the Court of Examiners. An apprenticeship for not less than five years to Surgeons practising as *Apothecaries* in Ireland and Scotland gives to the apprentice a title to be admitted to examination.

2. Of having attained the full age of twenty-one years. As evidence of age, a copy of the baptismal register will be required in every case where it can possibly be procured.

3. Of good moral conduct. A testimonial of moral character from the gentleman to whom the Candidate has been an apprentice, will always be more satisfactory than from any other person.

4. And of having pursued a course of Medical study in conformity with the regulations of the Court.

COURSE OF STUDY.—Every Candidate whose attendance on Lectures shall commence on or after the 1st of October 1849, must attend the following Lectures and Medical Practice during not less than three Winter and two Summer sessions: Each Winter session to consist of not less than six months, and to commence not sooner than the 1st nor later than the 15th of October; and

each Summer session to extend from the 1st of May to the 31st of July.

FIRST YEAR.

Winter Session—Chemistry, Anatomy and Physiology, Anatomical Demonstration.

Summer Session—Materia Medica and Therapeutics, Botany and Vegetable Physiology, Midwifery and Diseases of Women and Children.

SECOND YEAR.

Winter Session—Anatomy and Physiology, Anatomical Demonstrations and Dissections, Principles and Practice of Medicine, Medical Practice.*

Summer Session—Medical Practice,* Midwifery and Diseases of Women and Children, Forensic Medicine, Practical Chemistry,† Clinical Medicine.

THIRD YEAR.

Winter Session—Dissections, Principles and Practice of Medicine, Medical Practice,* Clinical Medicine and Morbid Anatomy.

Practical Midwifery, at any time after the conclusion of the first course of Midwifery Lectures.

The above course of study may be extended over a longer period than three Winter and two Summer sessions, provided the Lectures and Medical Practice are attended in the order prescribed.

Those gentlemen whose attendance on Lectures commenced before the 1st of October 1849, will be allowed to complete their studies in conformity with the previous regulations of the Court.

* Medical Practice must be attended during the full term of eighteen months: twelve months at an Hospital connected with a recognised Medical School, and six months either at a recognised Hospital or Dispensary if more convenient.

† By Practical Chemistry is intended, a specific course of instruction in the Laboratory, with an opportunity of personal manipulation in the ordinary processes of Chemistry, and of acquiring a knowledge of the various re-agents for poisons.

Note.—In place of the Second Course of Lectures on the Theory and Practice of Medicine, the Court will admit a Certificate of Attendance on a Course of Clinical Lectures, delivered in a recognised Hospital by a distinct Professor, consisting of not less than seventy-five Lectures; attended by the Student after the first systematic course upon the Theory and Practice of Medicine.

APOTHECARIES' HALL.

AN EXAMINATION in CLASSICS and MATHEMATICS for Junior Students will be held at the Hall three times in the year, commencing August 1854, and ending July 1855; viz., on the Third Tuesday in the months of November 1854, March and July 1855, at Eleven o'clock.

Medical Students *cannot* be admitted to this Examination before the commencement of their Apprenticeship, a certificate of which will be required, but at any period from that date, to the commencement of the Second Winter Session of their Curriculum.

The Examination is at present voluntary, and is conducted both by printed papers and *viva voce*.

The subjects of the year will be,

In Greek—The First Book of Homer's Iliad, and the Gospel of St Luke.

In Latin—The First Book of Virgil's Georgics, and the Catiline War of Sallust.

Mathematical—The First Book of Euclid's Elements, Arithmetic, and Algebra, including Simple Equations.

Candidates who fail to pass this Examination cannot be re-admitted, but will be required to pass the Latin Examination in *Celsus* and *Gregory* when they appear for their final Examination.

Students wishing to attend are requested to send their *Name* and *Address* to Mr RIVERS, Beadle's Office, at this Hall, at the latest, *One Calendar Month* previous to the day of Examination.

ARMY AND ORDNANCE MEDICAL
DEPARTMENT,

13 ST JAMES'S PLACE.

Director-General—Dr ANDREW SMITH.

Deputy Inspector-General of Hospitals—Dr SPENCE, Professional Assistant, and Inspector of Regimental Hospitals.

Inspector of Medicines and Instruments—Staff-Surgeon, H. PILLEAU, First Class.

Examiner of Medical Returns and Reports, &c., &c.—Staff-Surgeon, D. F. REID, Second Class.

Apothecary to the Forces—F. M. BASSANO, Esq.

In selecting from amongst the candidates for the Me-

dical Department of the Army, a preference is given to those who can fill up all the blanks in the printed schedules, by having the acquirements therein stated. The name of no gentleman can be placed on the list who does not possess a diploma from the Royal College of Surgeons of England, Scotland, or Ireland, or from the Faculty of Physicians and Surgeons of Glasgow, or other corporate body legally entitled to grant a diploma in Surgery; and who cannot produce the following testimonials:—

Eighteen months' attendance at an hospital, where the average number of in-patients is not less than one hundred; twelve months' Anatomy; twelve months' Practical Anatomy; six months' Physiology; twelve months Surgery, or (what is preferred) six months' Surgery and six months' Military Surgery; eight months' Clinical Surgery, a complete course of two or three lectures during the week; twelve months' Practice of Physic, or six months' Practice of Physic and six of General Pathology; eight months' Clinical Lectures on ditto, the same as required in surgery; twelve months' Chemistry; six months' Practical Chemistry; three months' Botany; three months' Materia Medica; three months' Practical Pharmacy or apprenticeship; three months' Natural History; three months' Midwifery; three months' Practical Midwifery; one course Natural Philosophy; one course Logic.

The candidates must be unmarried, not beyond twenty-five years of age, nor under twenty-one years.

Candidates who have had a university education, and have the Degree of A.B. or A.M., as well as that of M.D., will be preferred; but a liberal education, and a competent knowledge of the Greek and Latin languages, are indispensibly requisite in every candidate.

The greater the attainments of the candidates the more eligible will they subsequently be deemed for promotion; as selections to fill vacancies, especially in the higher ranks, will be guided more by reference to such acquirements than to mere seniority.

Although the British schools are specified, it is to be understood that candidates who have received regular education in approved foreign universities or schools will be admitted to examination.

With the exception of Practice of Physic and Clinical Medicine by one teacher, candidates must have attended separate lecturers for each branch of medical science.

Before promotion from the rank of assistant-surgeon to any higher rank, every gentleman must be prepared for such other examination as may be ordered before a board of medical officers.

Diplomas, tickets of attendance on lectures, and certificates of regular attendance by each professor or lecturer, must be lodged at this office for examination and registry at least one week before the candidate appears for examination; likewise certificates of moral conduct and character, one of them by the parochial minister if possible. Baptismal certificates are required at the same time, and if the parish register cannot be resorted to, an affidavit from one of the parents, or some near relative who can attest the fact, will be accepted.

The certificate of the teacher of Practical Anatomy must state the number of subjects or parts dissected by the pupil.

Certificates of lectures and attendance must be from physicians or surgeons of the recognised colleges of the United Kingdom, or of foreign universities.

All candidates for medical appointments are required to be conversant with Cullen's Nosology.

Note.—All communications to be pre-paid—or if not, to be forwarded, addressed *outside* to “The Right Honourable the Secretary-at-War,” with the words “Army Medical Department” at the left hand corner.

NAVAL MEDICAL SERVICE.

ADMIRALTY OFFICE, SOMERSET HOUSE.

Director-General of the Medical Department of the Navy,
SIR WILLIAM BURNET, K.C.B., K.C.H., M.D., F.R.S.

Regulations.

A candidate for entry into the Royal Navy as Assistant-Surgeon shall make a written application to the Secretary of the Admiralty, on the receipt of which he will be furnished with a printed form to be filled up.

As vacancies occur, the number of candidates required will be ordered to attend at the Admiralty Office, bringing with them the requisite certificates, when they will be examined by a board of medical officers.

The candidate must produce a certificate from one of the Royal Colleges of Surgeons, or from the Faculty of Physicians or Surgeons of Glasgow, of his fitness for the office; also proof of having received a preliminary classical education; of a competent knowledge of Latin; of good moral character; of having served an apprenticeship, or been engaged for not less than six months in practical pharmacy; that his age be not less than twenty years, nor more than twenty-six years;* that he has actually attended an Hospital in London, Edinburgh, Dublin, Glasgow, Aberdeen, Manchester, or Bristol, for eighteen months subsequently to the age of eighteen, in which hospital the average number of patients is not less than 100; that he has been engaged in actual dissections of the human body twelve months; that he has attended lectures, &c., on the following subjects, at established schools of eminence:—

Anatomy, eighteen months; or, General Anatomy twelve months, and Comparative Anatomy six months.

Surgery, eighteen months; or, General Surgery twelve months, and Military Surgery six months.

Theory of Medicine, six months; Practice of Medicine, twelve months. (If the lectures on the Theory and Practice of Medicine be given in conjunction, then the period required is eighteen months.)

Clinical Lectures (at an hospital as above) on the Practice of Medicine, six months; Practice of Surgery, six months.

Chemistry, six months; or, lectures on Chemistry three months, and Practical Chemistry three months.

Materia Medica, six months.

Midwifery, six months, accompanied by certificates stating the number of midwifery cases personally attended.

Botany, three months.

N.B.—Six months' lectures on Pathology, if given at a university where there may be a professorship on that branch of science, will be admitted in lieu of six months' lectures on the Practice of Medicine.

* The provision of being unmarried is not now insisted on.

A favourable consideration will be given to those who have obtained the degree of M.D. at either of the Universities of Oxford, Cambridge, Edinburgh, Dublin, Glasgow, London, or Aberdeen; or who, by possessing a knowledge of Diseases of the Eye, and of any branch of science connected with the profession, such as Medical Jurisprudence, Natural History, Natural Philosophy, &c., appear to be more peculiarly eligible for admission into the service.

By the rules of the service, no assistant-surgeon can be promoted to the rank of surgeon until he shall have served three years (one year of which must be in a ship actually employed at sea), and can produce a diploma from one of the Royal Colleges or the Faculty of Physicians and Surgeons.

Candidates who may be admitted into the naval medical service must serve in whatever ships, &c., they may be appointed to; and in the event of their being unable to do so from sea-sickness, their names cannot be continued on the naval medical list, nor can they be allowed half-pay.

By an Admiralty Circular, dated July 17th 1850, assistant-surgeons are to be divided into two classes.

The first class to consist of all who have completed three years' servitude from the period of their first entry (one year of which must be served on board a commissioned ship, and the other two may be served in one of the naval hospitals), and who have passed their examination for surgeon either at home or abroad.

"Assistant-surgeons who have served more than three years, and have passed the examination for surgeon under the above conditions, are to rank next to naval instructors, and are to mess with the ward-room officers, to be allowed cabins when the accommodation and space on board will admit."

The second class of assistant-surgeons to consist of all those who have not served three years, and those who have not passed their examination for surgeon.

First class assistant-surgeons, who may be serving in small vessels commanded by lieutenants, are to mess in the gun-room with the other officers.

EAST INDIA MEDICAL SERVICE.

EAST INDIA HOUSE, LEADENHALL STREET, LONDON.

*Examining Medical Officer—Dr Scott.**Regulations for the admission of Candidates for the
Appointment of Assistant-Surgeon.*

All natural-born subjects of her Majesty may be Candidates for Admission into the Service of the East India Company as Assistant-Surgeons. They must, however, be between 22 and 28 years of age, and of sound bodily health.

They must subscribe and send in to Dr Scott, the Physician to the Honourable East India Company, before the 10th day of December 1854, a declaration to the following effect:—

“I (Christian and surname at full length), a candidate for employment as an Assistant-Surgeon in the service of the East India Company, do hereby declare, that I was years of age on the day of last, and that I labour under no constitutional disease or physical disability that can interfere with the due discharge of the duties of a medical officer, and I also attest my readiness to proceed on duty to India within three months of receiving my appointment.”

This declaration must be accompanied by the following documents:—

1. Proof of age, either by extract from the Register of the parish in which the candidate was born, or by his own declaration pursuant to the act 5 and 6 Wm. IV., c. 62.

2. A diploma in surgery, or a degree in medicine, provided an examination in surgery be required for such degree, from some body competent by law to grant or confer such diploma or degree.

3. A certificate of having attended two courses of lectures, of six months each, on the practice of physic, and of having attended for six months the practice and clinical instruction of the physicians at some hospital, containing at least, on an average, one hundred in-patients; or of having attended one course of lectures of six months on the practice of physic, and clinical instruction for twelve months.

4. A certificate of having attended for three months the practical instruction given at one of the public asylums for the treatment of the insane.

5. A certificate of having attended for three months one of the institutions or wards of an hospital especially devoted to the treatment of ophthalmic disease.

6. A certificate of having attended a course of lectures on midwifery, and of having conducted at least six labours.

7. A certificate of having acquired a practical knowledge of cupping.

Candidates may, also, at their option, send in certificates of attendance at any hospitals, or on any courses of lectures, in addition to the above. Attendance on a course of Military Surgery is recommended.

Candidates producing satisfactory certificates will be admitted to an examination to be held in January 1855.

The examination will include the following subjects:—

1. Surgery in all its departments.

2. Medicine, including the Diseases of Women and Children, Therapeutics, Pharmacy, and Hygiene.

3. Anatomy and Physiology, including Comparative Anatomy.

4. Natural History, including Botany and Zoology.

The Examination will be conducted—

1. By means of written questions and answers.

2. By object examinations and experiments, when the subject admits of such tests.

3. By practical examination at the bedside of the patient, and by dissections and operations on the dead body.

4. By *viva voce* examination.

The persons who shall be pronounced by the Examiners to be the best qualified in all respects shall be appointed to fill the requisite number of appointments as Assistant-Surgeons in the East India Company's Service.

All Assistant-Surgeons are required to subscribe to the Military or Medical, and Medical Retiring, Funds at the Presidencies to which they may be respectively appointed, and to the Military Orphan Society also, if appointed to Bengal.

All Assistant-Surgeons who shall neglect or refuse to proceed to India under the order of the Court of Directors, within three months from the date of their appointments, will be considered as having forfeited them unless special circumstances shall justify a departure from this regulation.

Candidates may apply to Dr Scott, 13 Straton Street, for further information, if needed.

N.B.—The certificates and notices as to examination herein contained apply only to the examination to be held in January next.

Regulations regarding the requirements of candidates for future examinations will be issued after the first examination.

JAMES C. MELVILL, Secretary.

Note.—4th October 1854.—Candidates who may not have been able to attend the practice of an asylum for the insane, or of an ophthalmic hospital for three months previous to offering themselves for examination in January 1855, will not be excluded from examination, but will, if successful in obtaining recommendation for appointments, be required to produce certificates of having attended such practice during the interval between the examination and the time of proceeding to India.

The Board of Examiners of candidates for the appointments of Assistant-Surgeons in the East India Company's Service give notice that, on the 8th January 1855, they will hold Examinations at the East India House for the selection of Assistant-Surgeons. The selection will be made according to merit, and it is expected that about thirty appointments will be awarded.

J. D. DICKINSON, Deputy-Secretary.

Livingston & Gibson have on hand a carefully
selected and suitable stock of ready made clothing for Winter wear.
Their purchases have been made with special regard to style
& durability. The various garments are prepared by experienced
tailors and got up in the best style of Workmanship.

L. & G. venture to affirm that their clothing will be
found to possess advantages particularly adapting it for the
use of gentlemen attending classes, having paid special attention
to preparing garments combining style and comfort in the
street, with ease and freedom in the Class-room. They have
produced a coat for this winter's wear, having all the comfort
of a top coat with the freedom of a walking coat, and being
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unnecessary the use of an overcoat found so inconvenient
in the Class-room.

Being made up in quantities they can offer them
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Their Trowsers will be found to be of the
best styles & of durable materials made to wear either
with or without braces.

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DRESS VEST, - 0 10 6

DRESS TROUSERS, 1 1 0

MORNING or PROMENADE SUIT, - - - £3, 3s

BLACK CLOTH or MELTON WALKING COAT or PALETOT, £1 15 0

BLACK CLOTH or MELTON VEST, - - - 0 10 0

TWEED OR DOESKIN TROUSERS, - - - 0 12 0

COUNTRY or SHOOTING SUIT of SCOTCH TWEED, £2, 10s.

COAT, £1, 4s. VEST, 8/6 TROUSERS, 15/6 CAP, 2/

TOP COATS.

DRESS BLACK CLOTH WELLINGTONS, - £1 15 0

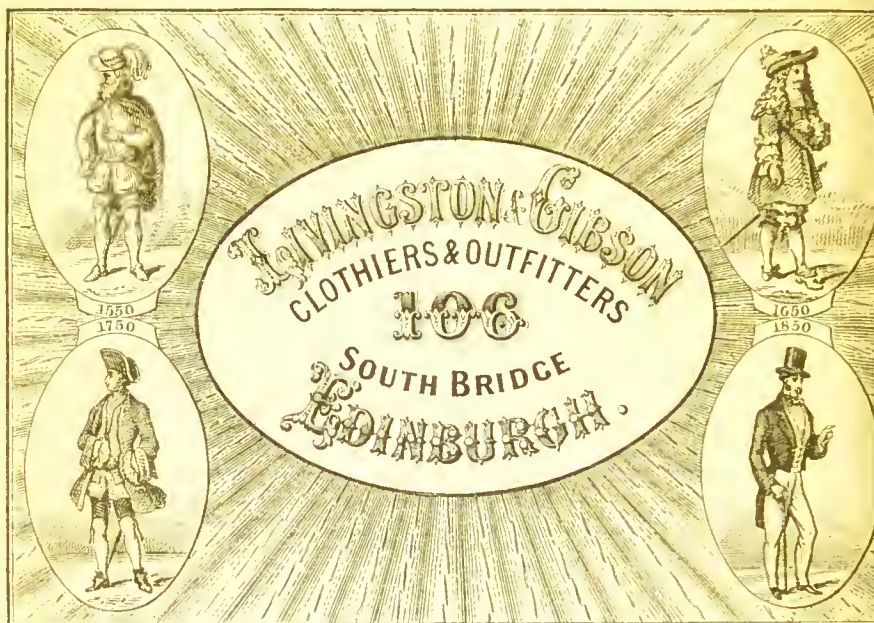
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IN THE FANCY GOODS' DEPARTMENT THERE IS A LARGE AND CAREFULLY SELECTED STOCK OF THE NEWEST PATTERNS OF **TIES, SCARFS, STOCKS, NECKERCHIEFS, HANDKERCHIEFS, &c.**

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DRESSING GOWNS.

DESCRIPTION

OF A

NEW APPARATUS FOR TAKING THE SPECIFIC GRAVITY

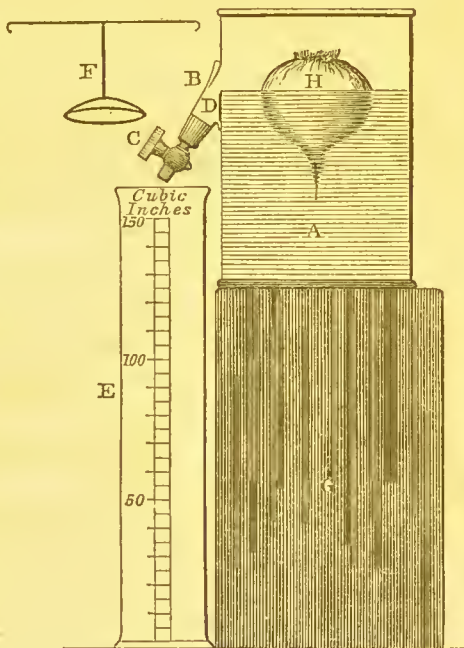
OF

FLOATING BODIES, &c.

THE principle upon which this apparatus is constructed is very simple, and of great antiquity. Pure water, at the temperature of 60 degrees Fahrenheit, has long been adopted as the standard of comparison for the Specific Gravity of all solid and liquid bodies. The principle of Specific Gravity, first discovered by Archimedes, may be stated thus:—A body which floats in water displaces a quantity of that liquid exactly equal to its weight; and a body which sinks or is submerged in water displaces a quantity of that liquid exactly equal to its bulk. When once the weight and bulk of a body are determined, the Specific Gravity is

found by dividing the bulk by the weight. The principle of displacement has been long known, and a variety of instruments have been constructed, founded upon it, to serve numerous purposes; yet hitherto no one appears to have been made fitted to determine conveniently the Specific Gravity of bodies of irregular shape and size. This want is supplied in the apparatus now submitted. It consists of two glass Jars, one of which A (see Figure) is made 8 inches in diameter by 12 inches in height. Three inches down from the mouth, on the side of the Jar, is a large drooping tubular B, to which is attached a stop-cock C. Across the tubular, inside of the Jar, is fixed a metal gage D, having a very thin horizontal straight edge, which determines exactly the water-level in the Jar, and over which the surplus flows, and is let off by the stop-cock.

The other Jar E is $3\frac{1}{2}$ inches in diameter by 20 inches in height, and is accurately graduated on the sides with 3 lines of divisions,



viz., cubie inches, avoirdupois lbs. and oz., and thousandth parts of a gallon. The brass piece F is used to depress the floating body below the water-level, and to retain it there; the upper part of F grasps the rim of the Jar A. G is the ease in which the whole is carefully fitted for conveyance, and serves as a stand upon which to raise the Jar A when in use.

DIRECTIONS.

Take the apparatus out of the ease, place the glasses as shown in the figure, shut the stopcock, and fill the Jar A with water, a little above the gage; let the water come to rest, then open the stopcock, and allow the surplus to run away, so as to adjust the water-level in the Jar. Now shut the stopcock, and introduce gently into the water, the body whose Specific Gravity is to be determined; for example, a root that will float, as H. The water will immediately rise in the Jar; let it come to rest; open the stopcock, and receive the water that will now run out, in the graduated glass Jar E. When the water has ceased to flow from the stopcock, record the quantity which has been received, as indicated by the graduations on the different scales. *This is the weight of the root (1).* Again shut the stopcock, and depress the root by using the brass piece F; and when the water has come to rest, open the stopcock, and let the liquid which will again flow out, add itself to that already in the graduated Jar. When this additional quantity has been received, record the larger amount now indicated on the scales. *This is the bulk of the root (2).* Suppose the cubic inch scale used, and the first or weight-indication (1) to be 80 cubic inches; the second (2) or bulk-indication 100 cubic inches, divide 80 by 100, and the Specific Gravity is 0.800.

To determine the Specific Gravity of bodies a *little* heavier than water, make a solution of salt, sugar, or muriate of lime, that will float the body; ascertain the Specific Gravity of the solution, multiply the weight-indication by this Specific Gravity, and divide by the bulk-indication. The result will be the Specific Gravity of the body. Thus, suppose the solution used is

| | | | | |
|------------------------|---|---|---|--------|
| Specific Gravity, | . | . | . | 1.210. |
| The Weight-indication, | . | . | . | 100. |
| The Bulk-indication, | . | . | . | 105. |

Multiply 100 by 1.210, and divide by 105, the resulting Specific Gravity is 1.209.

The apparatus may be used in assisting to determine the Specific Gravity of mineral or other heavy masses; the weight of such masses being first ascertained in a balance, the bulk can be obtained in the same manner as above described; then calculate in the usual way.

The price of the Apparatus, complete in a Fir Case, is £3 : 3s.

DESCRIPTION

OF THE

NEW PREPARATION JAR.

THIS new and elegant JAR, for preserving Anatomical or other preparations, is made of cylindrical and oval forms. A (see Figure) is a vertical section, and, as there shown, the Jar is made a little thicker in the glass at the mouth than is required in the body. It has two *indents*, one opposite the other, an eighth of an inch below the mouth, inside of the Jar, to hold a slip of whalebone B, by which the preparation may be safely and conveniently suspended. The mouth of the Jar is carefully ground flat and smooth, like the receiver of an air-pump. Upon this ground surface the cover C rests, made of polished plate-glass, the same size as the external mouth of the Jar, and firmly retained in its place by the bronzed metallic ring D, which slips over it, and fits the outside of the mouth of the Jar. C, being transparent, both allows light to enter the Jar vertically, and permits the preparation to be inspected from above.



DIRECTIONS.

After the preparation has been properly placed in the Jar, fill it up with the clear preserving liquid until it is nearly full, leaving only a small space to allow for expansion by increased temperature, then wipe clean and dry the ground surface at the mouth, and rub it slightly with lute, now put on the glass cover, previously cleaned and dried, fix it firmly down in its place with the bronzed ring, and the operation is complete.

The air is now almost as perfectly excluded as if the Jar were hermetically sealed; while the fittings may be removed at any time with equal ease and celerity. By all former methods, the process of putting up preparations was one requiring great skill, was alike disagreeable, tedious, and expensive, and the result was unsatisfactory, but it is now rendered so simple, that it can be performed by any one with ease, in little time, at greatly lessened cost, and with a result perfectly satisfactory.

The Cylindrical Jars are charged at the rate of 1s. 6d. per lb., and the Oval ones at 1s. 8d. per lb., and 1s. additional, each Jar, for the fittings.

Made only by PETER STEVENSON, Philosophical Instrument Maker, 9 Lothian Street, Edinburgh.

Also all kinds of Chemical, Mathematical, and Philosophical Instruments and Apparatus.

He begs to refer to the following

TESTIMONIALS.

I have had occasion frequently, and during several years, to employ Mr Stevenson, of Lothian Street, in making apparatus, both in metal and glass, to order; and I have invariably had reason to be satisfied with the workmanlike manner in which the articles were finished, and, what is still more uncommon, with his punctuality in executing them.

JAMES D. FORBES,
Professor of Natural Philosophy.

UNIVERSITY OF EDINBURGH,
27th April, 1837.

For several years Mr Peter Stevenson has constructed for me much apparatus in metal and glass, and I have at all times found it executed in the most neat, accurate, and substantial manner; and I have frequently had occasion to express to Mr S. how much we are indebted, in the successful use of such apparatus, to the new and peculiar contrivances which his practical ingenuity has from time to time suggested.

JOHN GOODSIR,
Professor of Anatomy.

UNIVERSITY OF EDINBURGH,
18th March, 1847.

I cordially bear my testimony to the skilfulness and ingenuity with which Mr Peter Stevenson constructs apparatus in glass and metal. I have not, indeed, met with any Instrument Maker who excels him in neatness of workmanship, anxiety to meet the wishes of an employer, and punctuality in fulfilling his promises.

GEORGE WILSON, M.D.,
Lecturer on Chemistry.

CHEMICAL LABORATORY,
SCHOOL OF MEDICINE, SURGEONS' HALL,
EDINBURGH, 23d October, 1854.

LATIN EXAMINATIONS.

Mr W. SKAE, A.M., having had many year's experience in this department, continues to give Instructions to Medical Students preparing for their Latin Examinations before the University and College of Surgeons, Edinburgh; the Apothecaries' Hall, London; the Army and Navy Medical Boards, &c.

CLASSES for Reading the Books required at the different Examinations open in November, February, and May.

Terms Moderate.

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Edinburgh: MACLACHLAN & STEWART,
Dublin: HODGES & SMITH.

1881

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NOTICE TO STUDENTS OF MEDICINE.

THE HARVEIAN SOCIETY OF EDINBURGH
have fixed on the following Subject for their PRIZE
ESSAY for the year 1855 :—

“ ON SUGAR, IN THE ANIMAL ECONOMY, IN HEALTH
AND DISEASE.”

Dissertations on this subject must be transmitted to one
of the Secretaries before the 1st day of December 1855.
Each Dissertation must be accompanied by a Sealed Let-
ter, containing the Name and Address of the author, and
inscribed on the back with a Motto. The same Motto
must also be prefixed to the Dissertation to which the Let-
ter belongs. None of the Sealed Letters are opened ex-
cept that bearing the same Motto with the successful Es-
say.

The Prize given by the Society to the successful Can-
didate is of the value of Ten Guineas, being either a Gold
Medal, or Books, or Instruments, as he may wish.

The Candidate is at liberty to employ his Essay after-
wards in any way he may think proper.

No Candidate who has already twice gained the Society's
Prize is allowed to compete a third time.

By order of the Society,

| | | |
|----------------------|---|---------------------|
| ROBERT OMOND, M.D., | } | <i>Secretaries.</i> |
| 43 Charlotte Square, | | |
| J. H. BENNETT, M.D., | | |
| 1 Glenfinlas Street, | | |

Edinburgh, April 12th 1854.

TO STUDENTS

ATTENDING THE UNIVERSITY.

GEORGE BURGESS, *Bootmaker*, 47 SOUTH BRIDGE, in returning thanks for past favours, begs to assure his Patrons that nothing shall be wanting on his part to merit a continuance thereof.

G. B. has on hand a first class Stock of Dress and Walking Wellingtons, Half Wellingtons, Buttoning, Elastic, and Lacing Boots, Shoes, Overshoes, Slippers, &c.

G. B. also begs to call particular attention to his Balmoral, Athole, Otter Hunting, Cambridge, and other Shooting Boots, entirely his own designs (some of which he had at the Great Exhibition of 1851), so much admired for their elegance of style that they have become favourites for general use.

TERMS CASH.

NOTICE TO STUDENTS.

WILLIAM WEDDELL, *Manufacturer of Students' Note Books, Note Cases, Blads, Inks, Steel Pens, Card Cases, &c.*, respectfully intimates to the Gentlemen attending the University this Session, that he has a very large, complete, and varied stock of the above articles, manufactured on the premises expressly for the Edinburgh University, and are of the best materials and most durable description, selected personally in London and Paris.

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Mr M'RAE has much experience in assisting Students and others, as well as in Teaching generally ; studied seven full Sessions at a Scottish University, where he greatly excelled in almost all his classes, particularly in those above referred to ; gained very many first prizes, and always the highest honours on great occasions ; can produce for all this the proper certificates and testimonials, and give most respectable references.

For further information apply at the Shop of Messrs Maclachlan & Stewart, Booksellers, 64 South Bridge ; where, also, orders may be left.

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- I. A Morning Class for English Composition, Latin, Greek, French, Algebra, and Mathematics.
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The Elements of Grammar will be gone through in the first quarter.

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MR MACKINTOSH will open Advanced PRIVATE CLASSES of LATIN, GREEK, and MATHEMATICS, for Young Gentlemen attending the University, on Wednesday, 1st November.

In these Classes the Student will be thoroughly exercised in rendering English into Latin and Greek ; as well as on the nature, use, and application of the Latin Subjunctive Mood.

MATHEMATICAL CLASSES at different hours, to suit the convenience of Students.

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DR NICHOL'S CLASSES annually commence their Winter Course on 1st November, and their Summer Course on 1st May, at his Class-Room, 86 SOUTH BRIDGE.

Accommodation at his Dwelling-House, 2 QUEEN STREET, for One or Two BOARDERS, whose studies require aid and Superintendance.

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TERMS :—Per Month, three times a-week an hour a-day, paid in advance, £1, 1s.

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| | | |
|----------------------|----------------------|----------|
| BEGINNERS—1st Class, | Monday and Thursday, | 11 A. M. |
| 2d | | 12 noon. |
| ADVANCED—1st Class, | Tuesday and Friday, | 12 ... |
| 2d | | 1 P. M. |

GENTLEMEN.

| | | |
|----------------------|-----------------------|---------|
| BEGINNERS—1st Class, | Tuesday and Thursday, | 8 A. M. |
| 2d | Tuesday and Friday, | 9 A. M. |
| 3d | | 6 P. M. |
| ADVANCED—1st Class, | Monday and Thursday, | 9 A. M. |
| 2d | | 6 P. M. |

Private Tuition as usual.

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